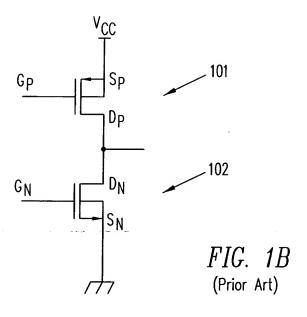
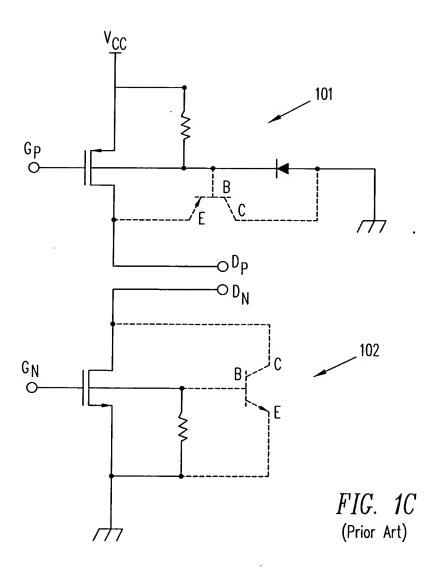
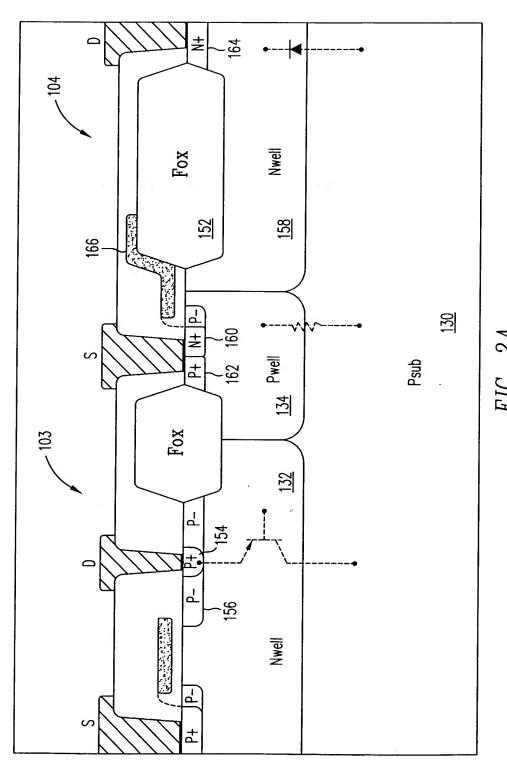


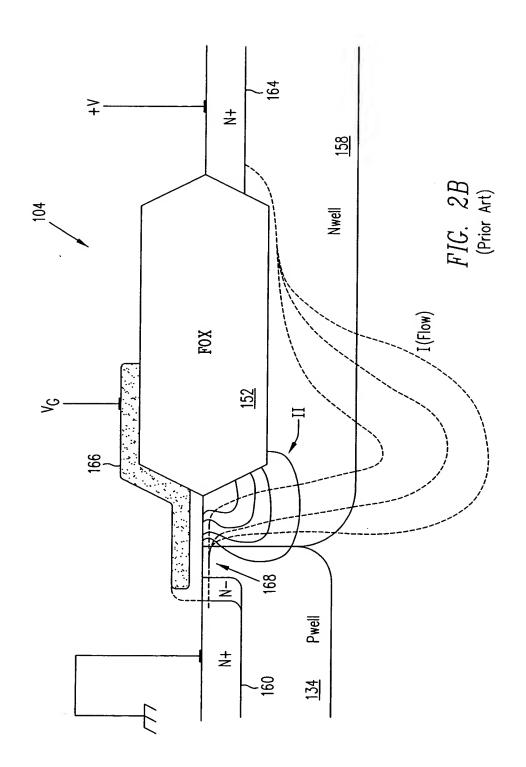
FIG. 1A (Prior Art)







I' I'G. \mathcal{L}_A (Prior Art)



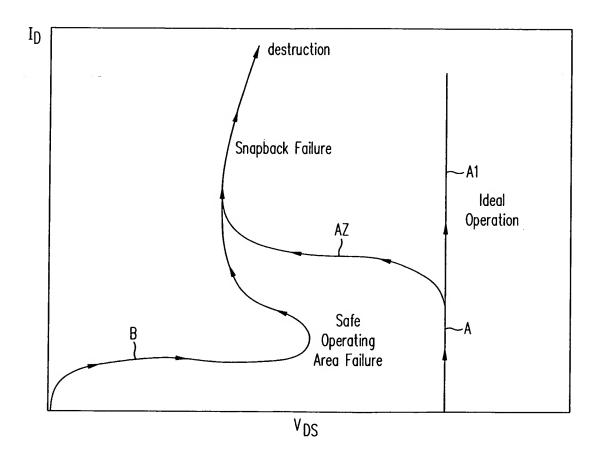


FIG. 2C (Prior Art)

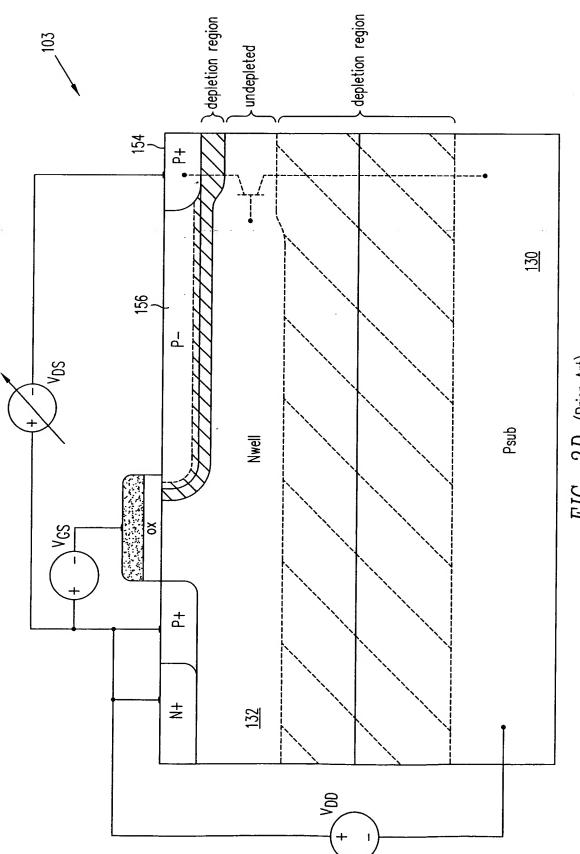
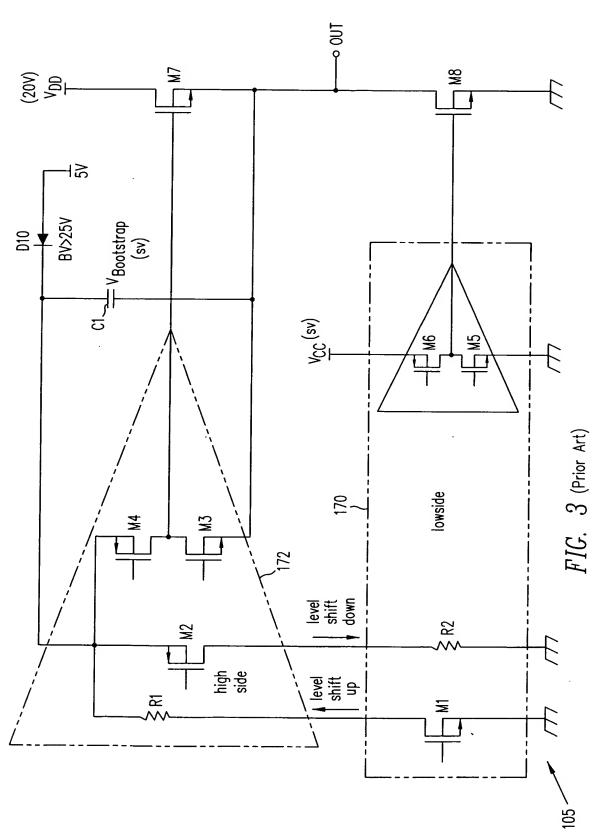
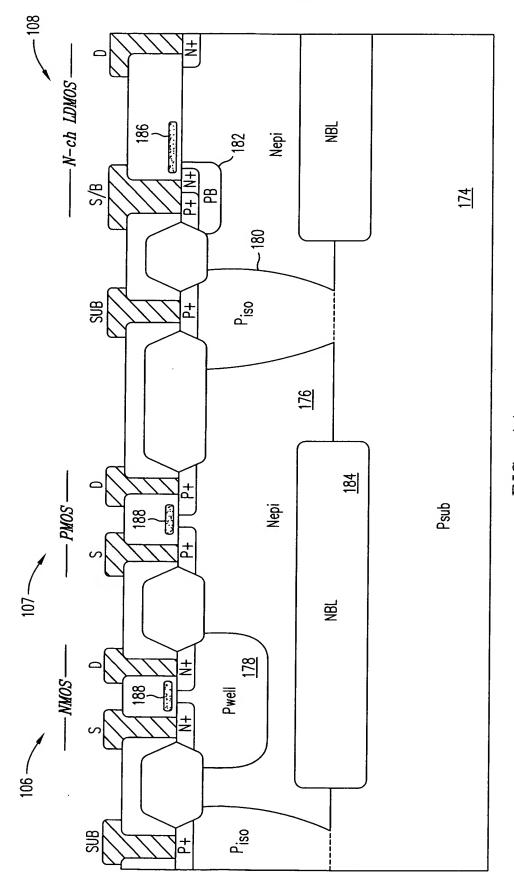


FIG. 2D (Prior Art)





F'IG. 4A (Prior Art)

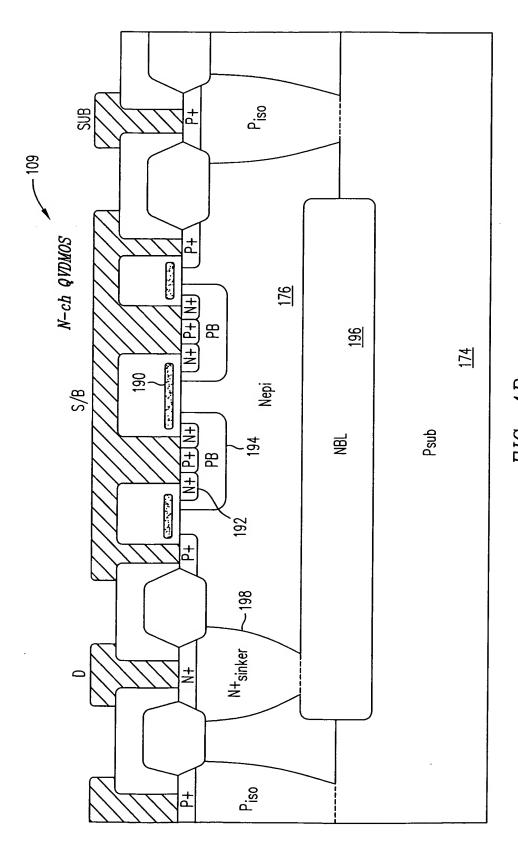


FIG. 4B (Prior Art)

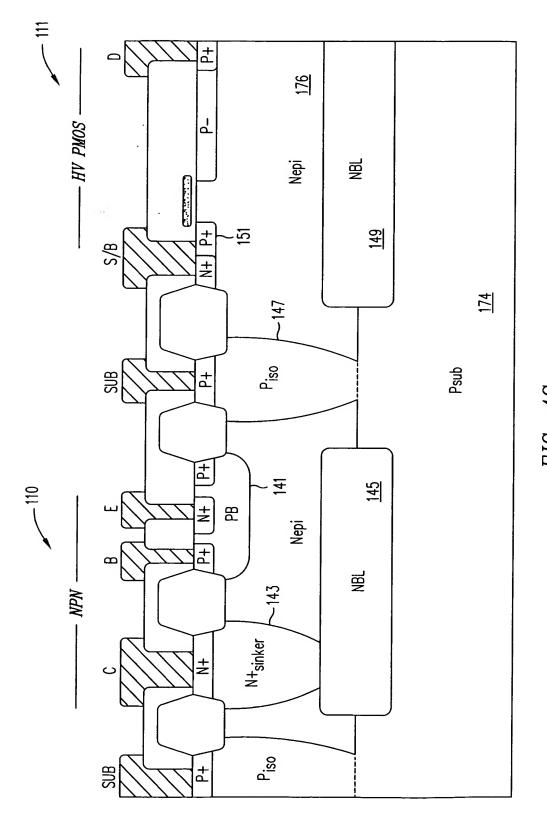


FIG. 4C (Prior Art)

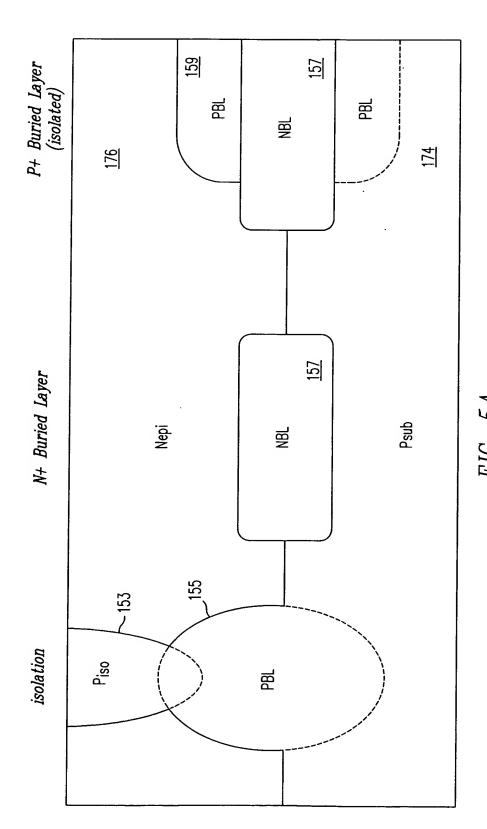


FIG. 5A (Prior Art)

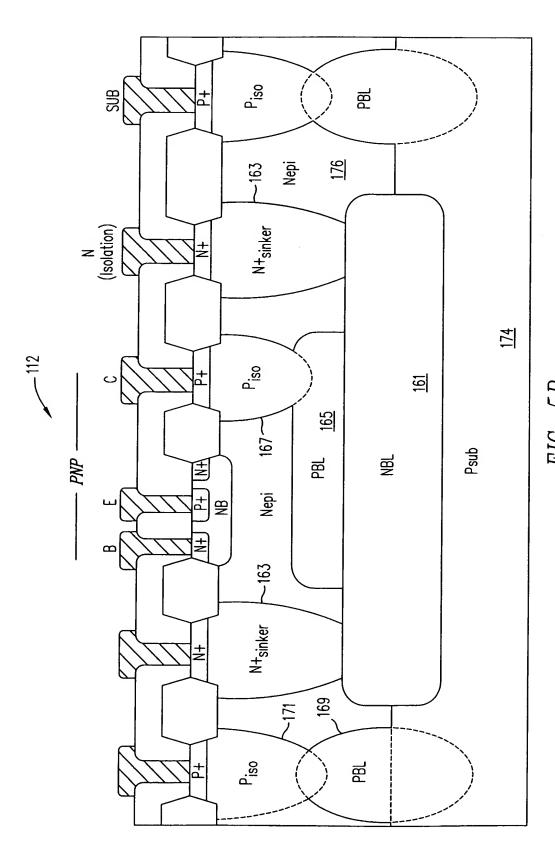


FIG.~5B (Prior Art)

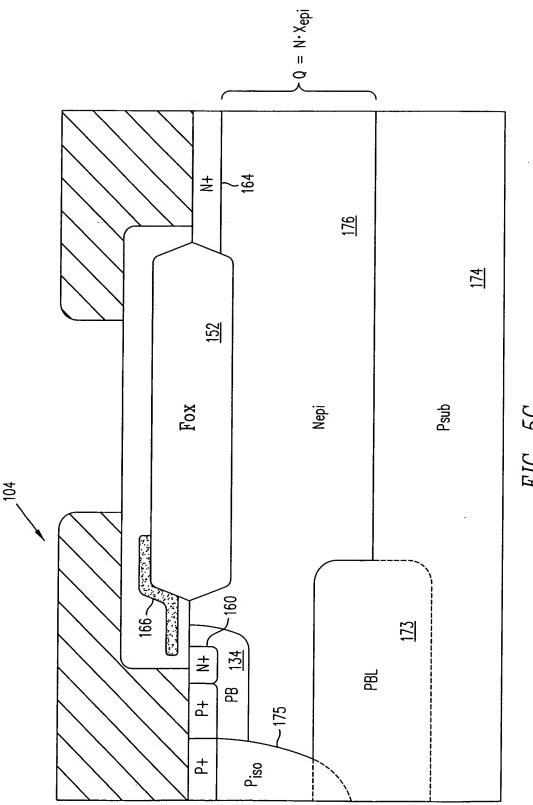


FIG.~5C (Prior Art)

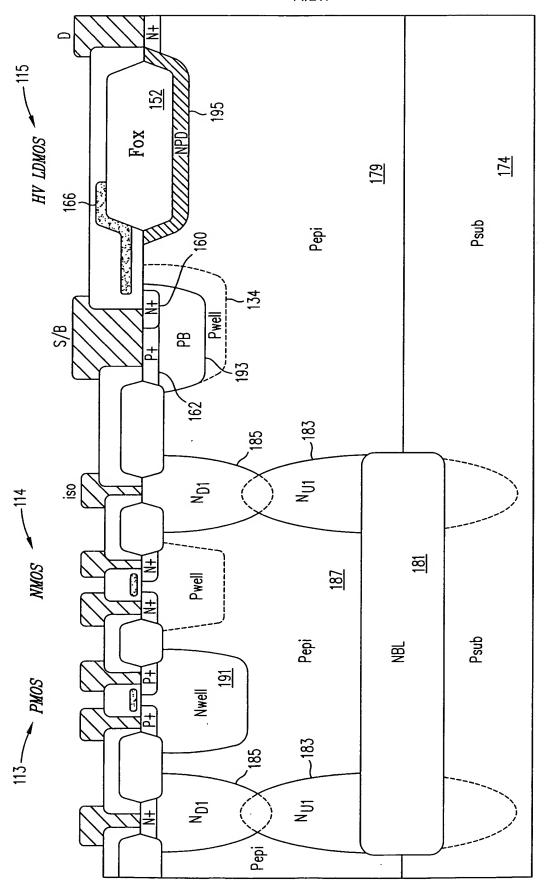


FIG. 6A (Prior Art)

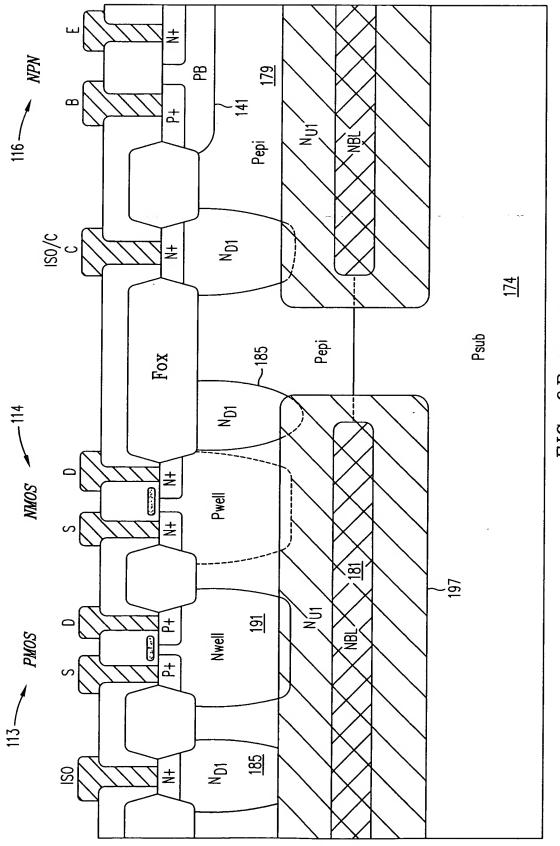


FIG. 6B (Prior Art)

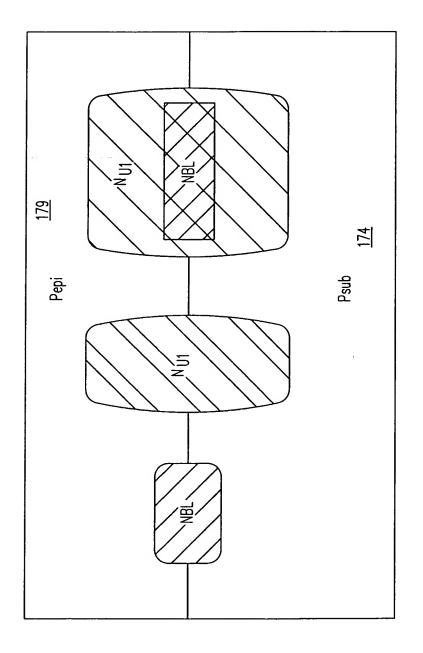


FIG.~6C (Prior Art)

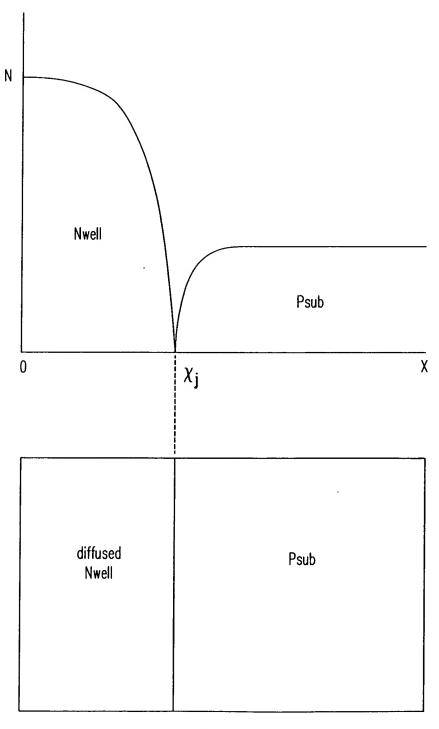


FIG. 7A (Prior Art)

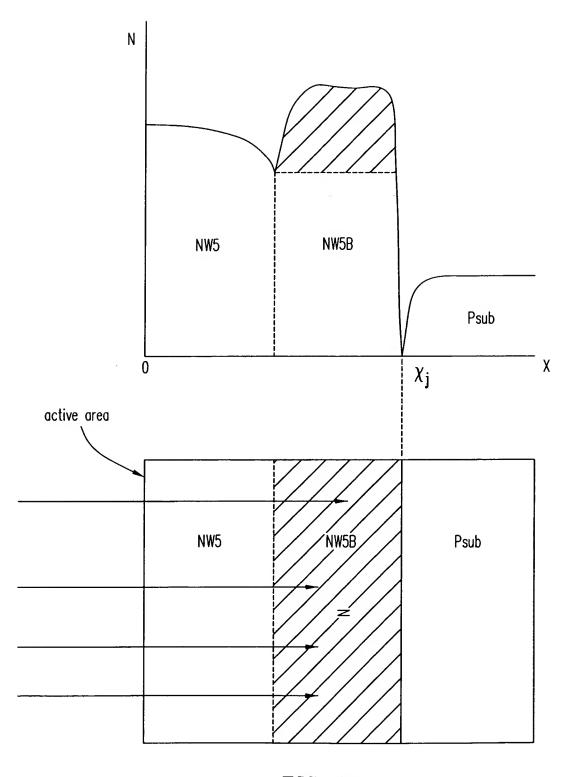
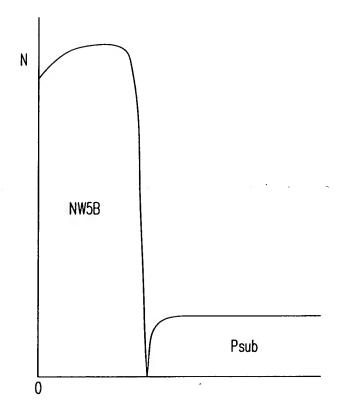


FIG. 7B



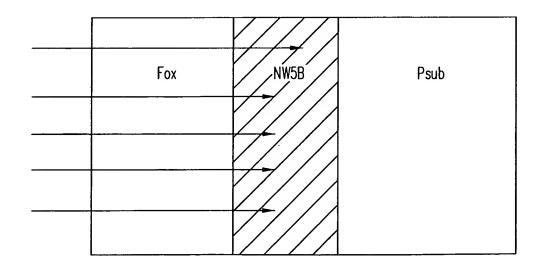


FIG. 7C

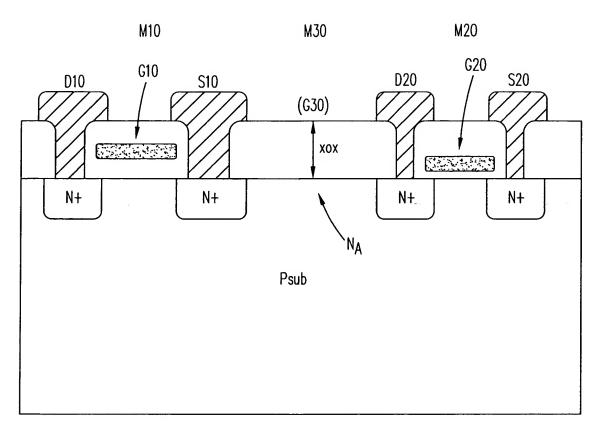


FIG. 8A

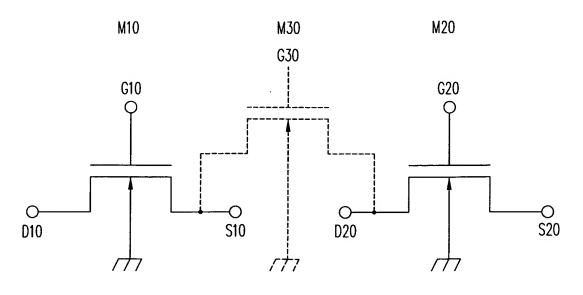
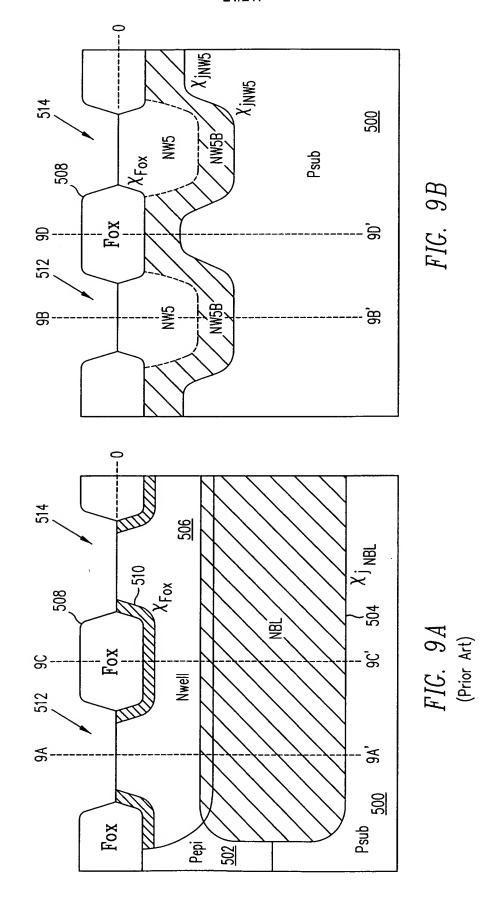
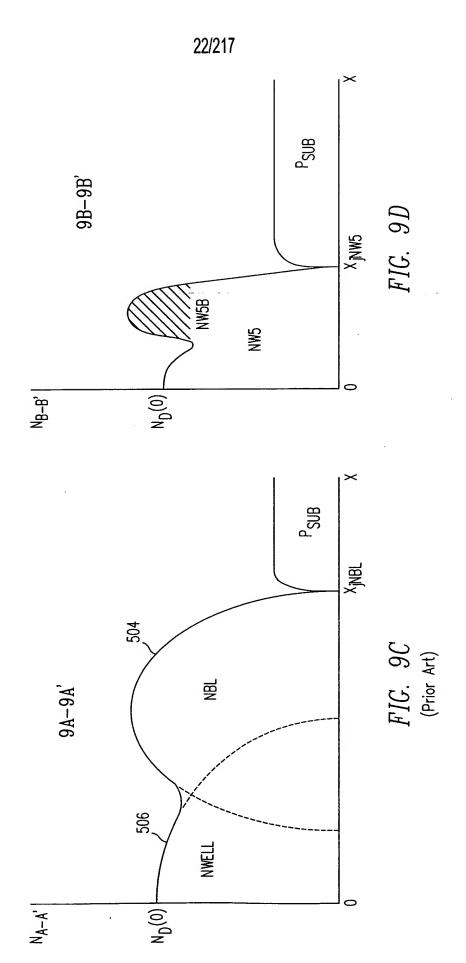
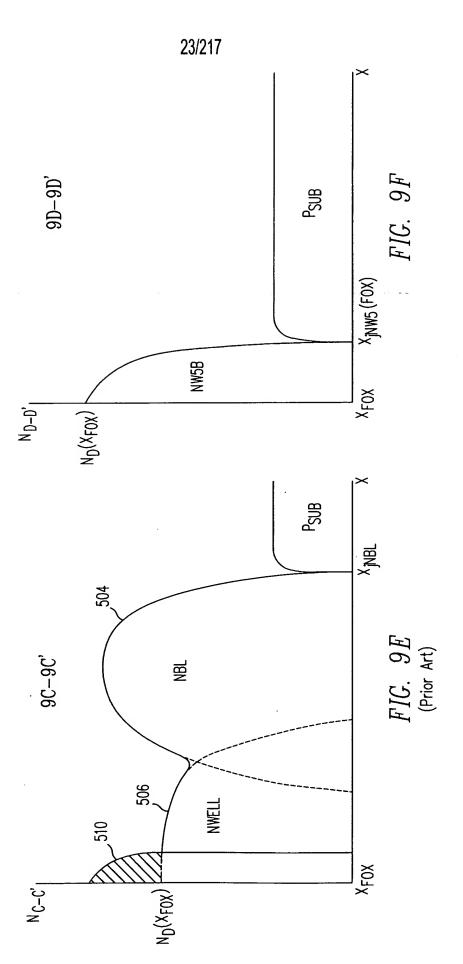
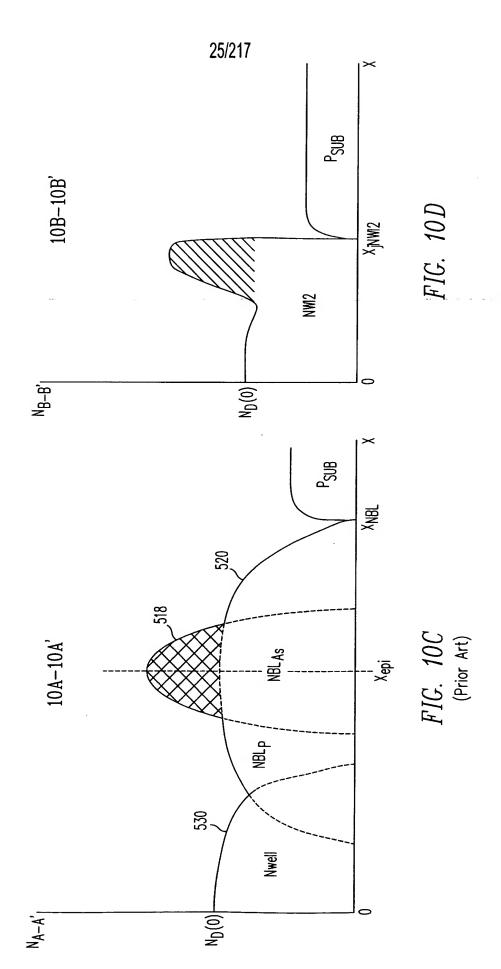


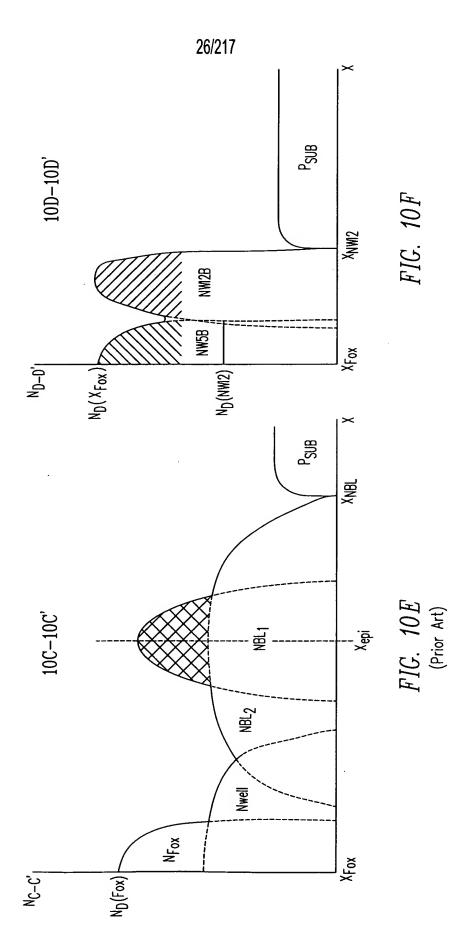
FIG. 8B

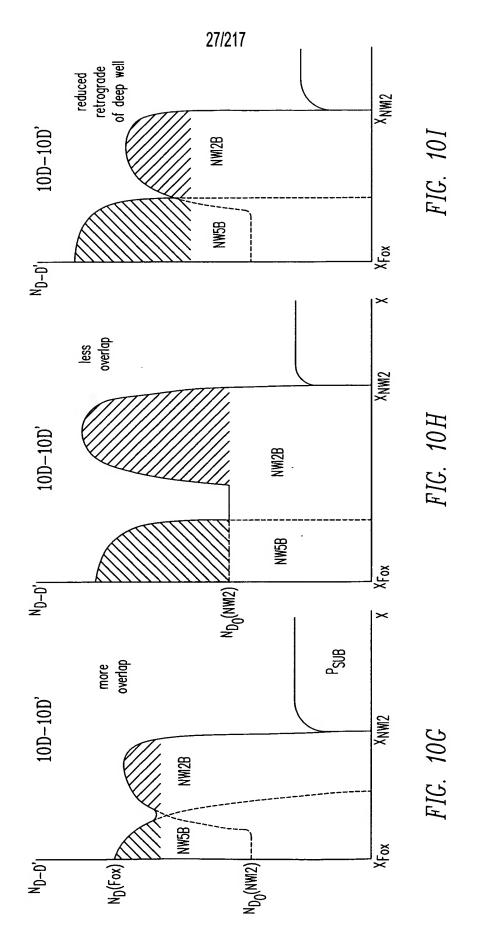


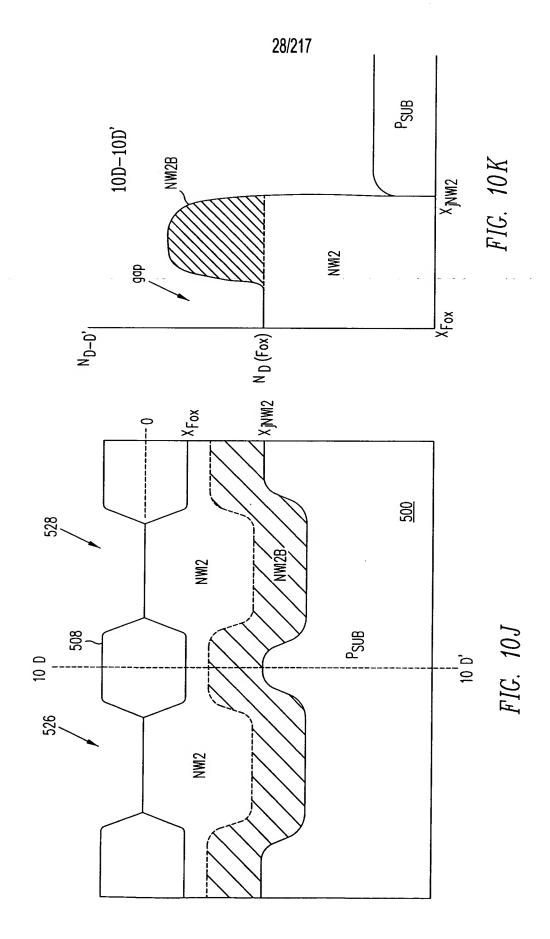


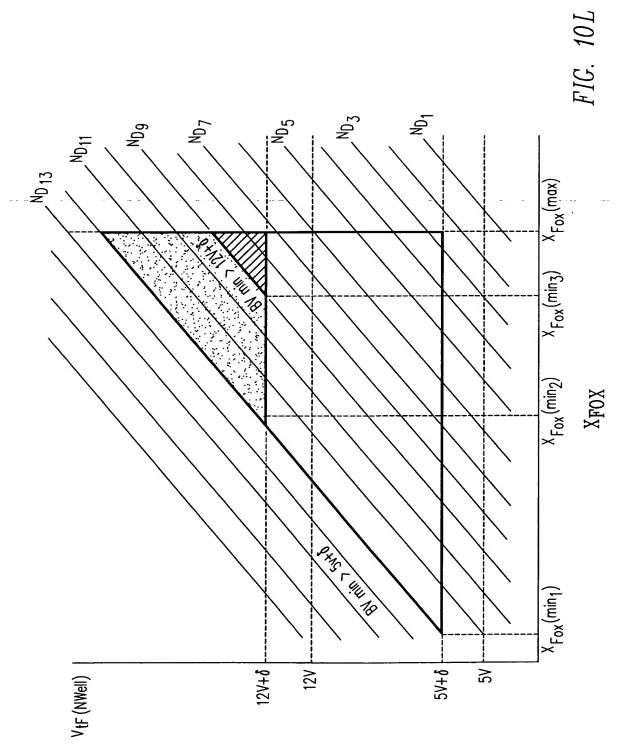


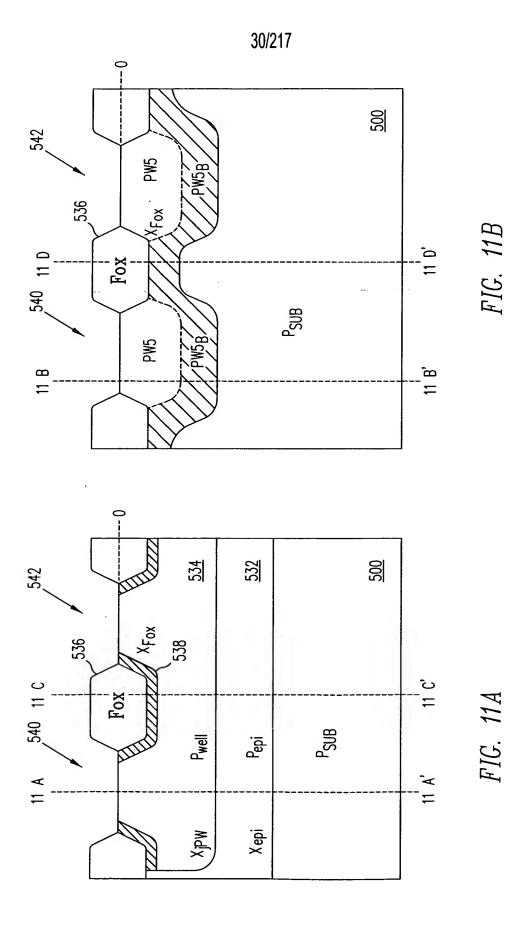


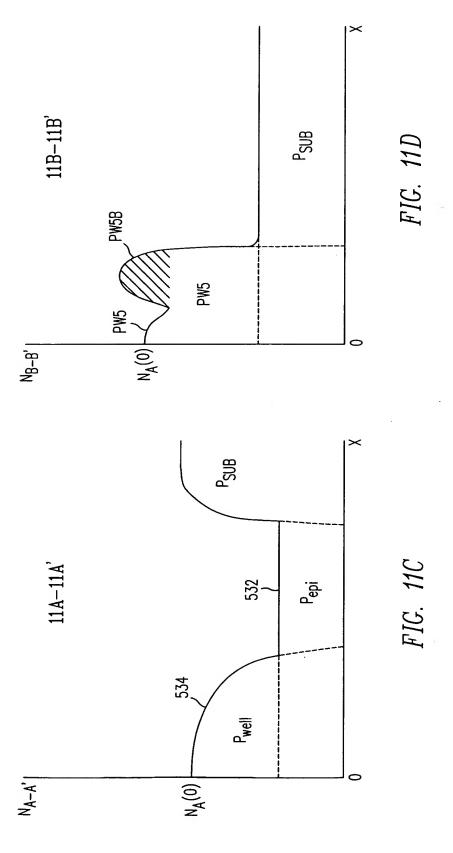


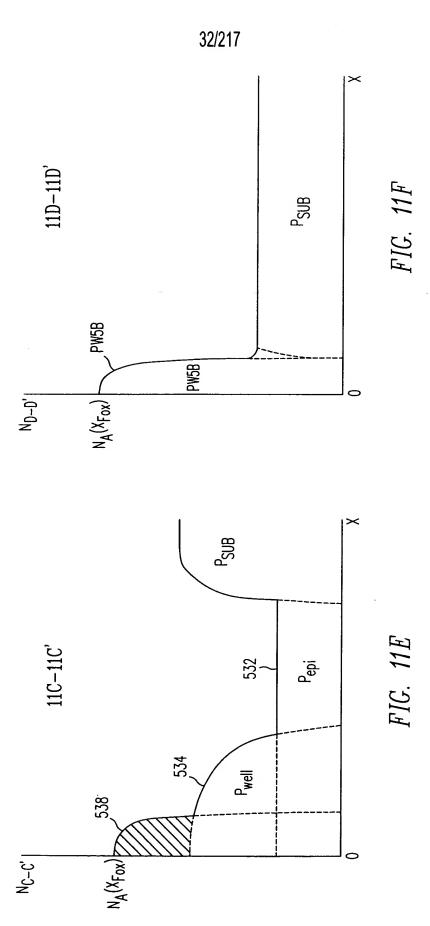


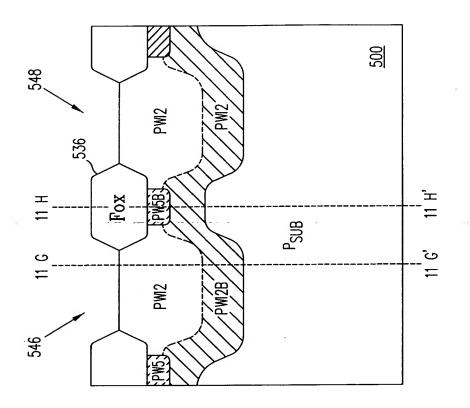












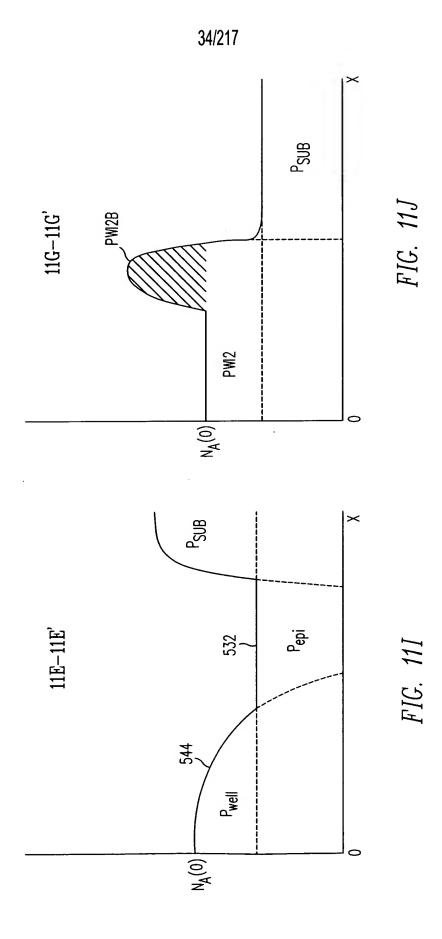
11 E 546 11 F 536

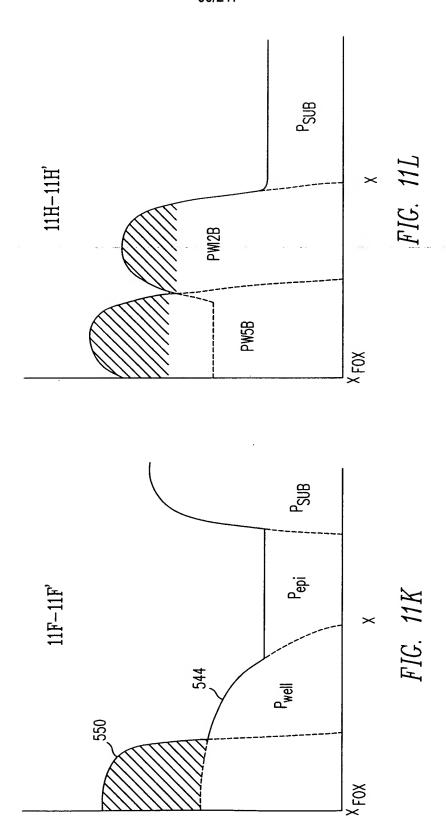
Pwell Fox 536

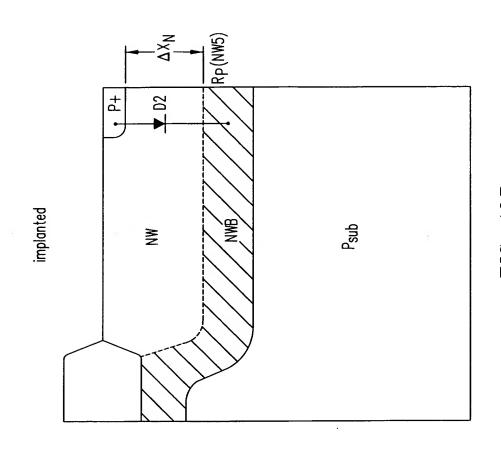
Pepi 550

11 E' 11 F'

FIG. 11G







F1G. 12

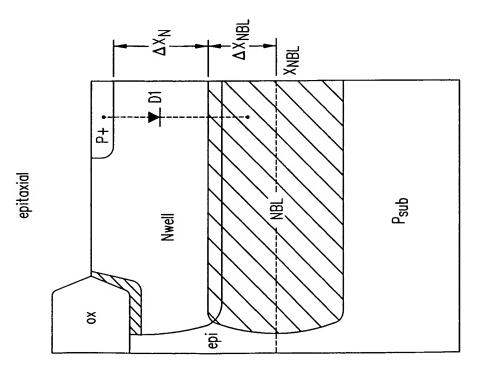
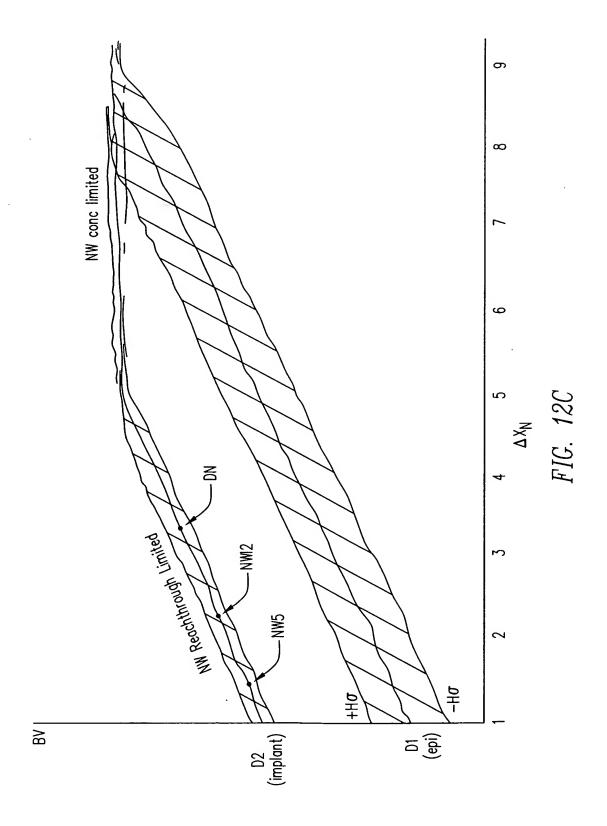
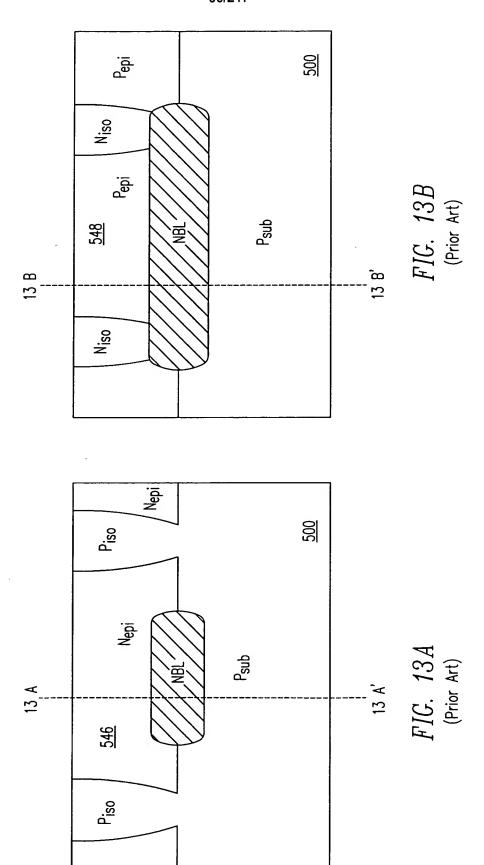
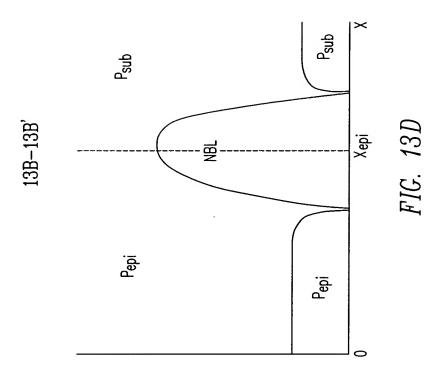
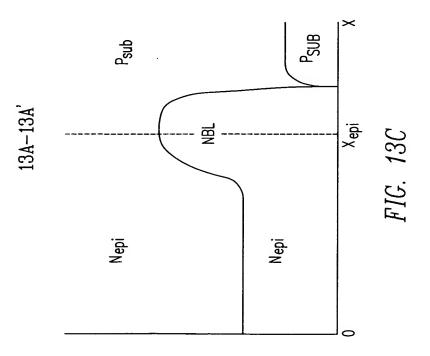


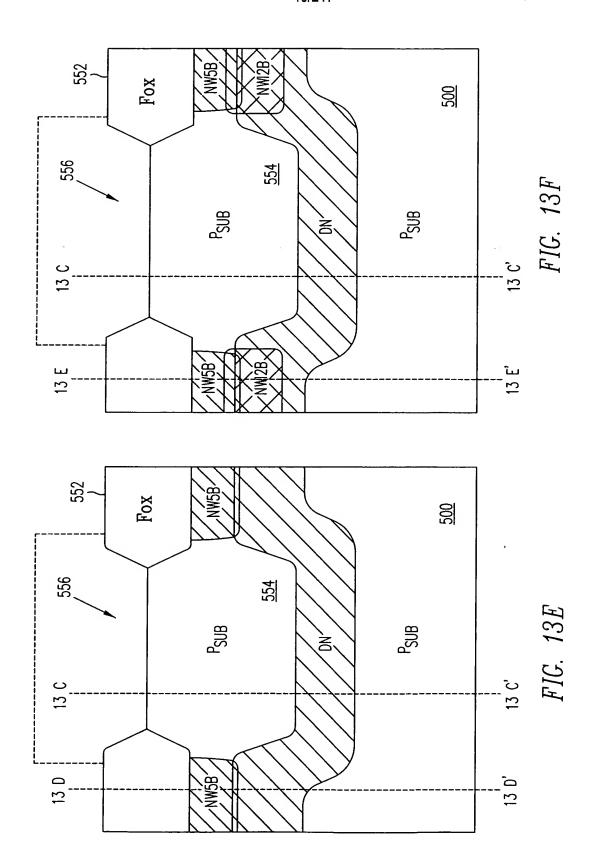
FIG. 12A

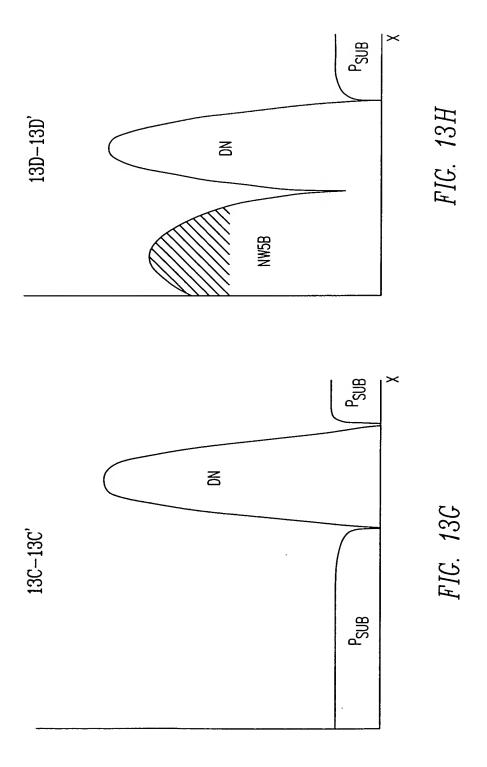












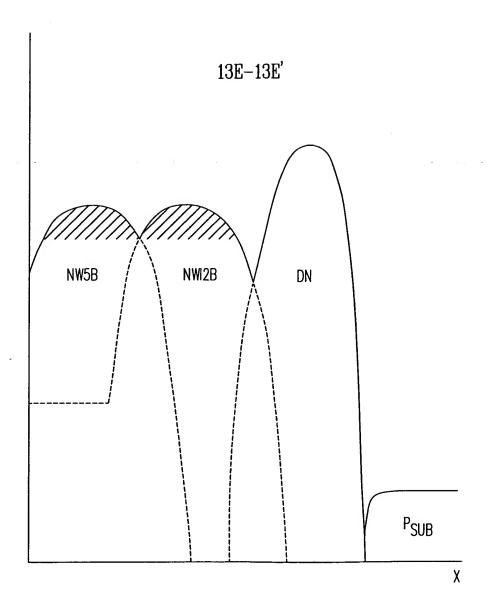


FIG. 13I

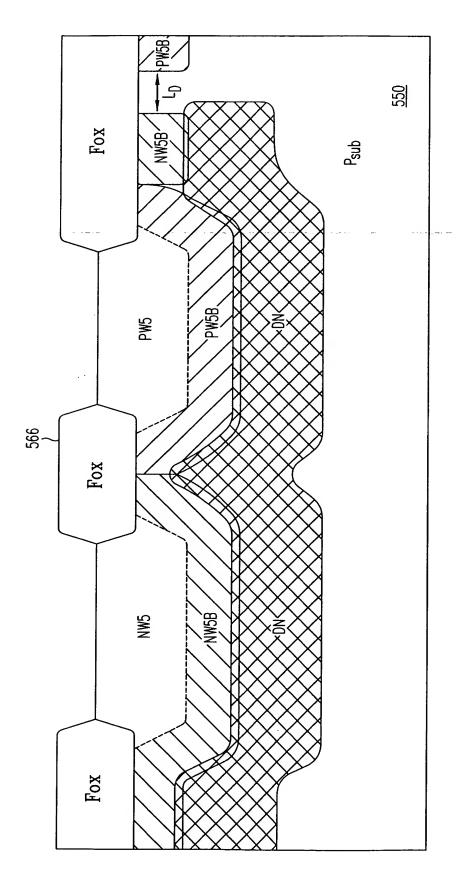


FIG. 14A

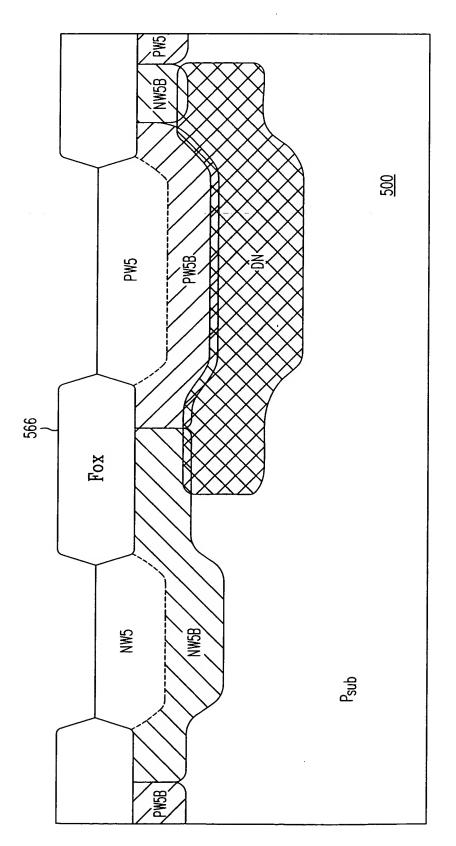


FIG. 14B

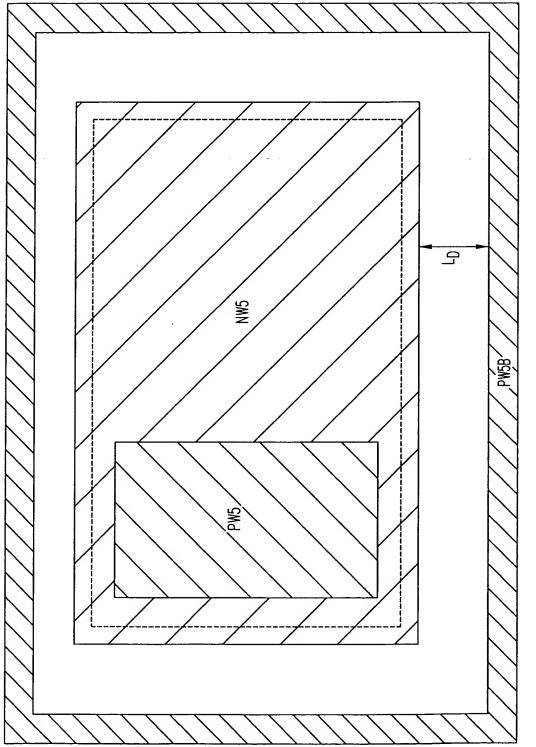


FIG. 14C

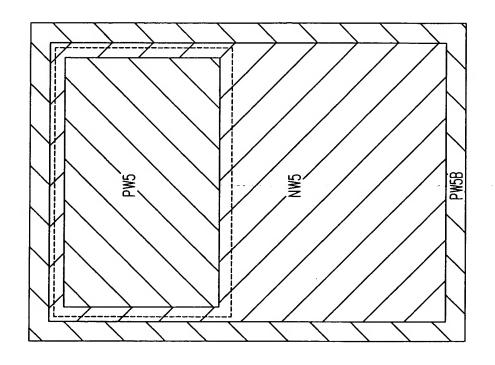
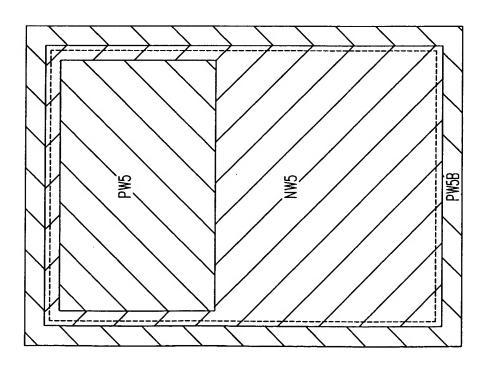


FIG. 14E



F'IG. 14D

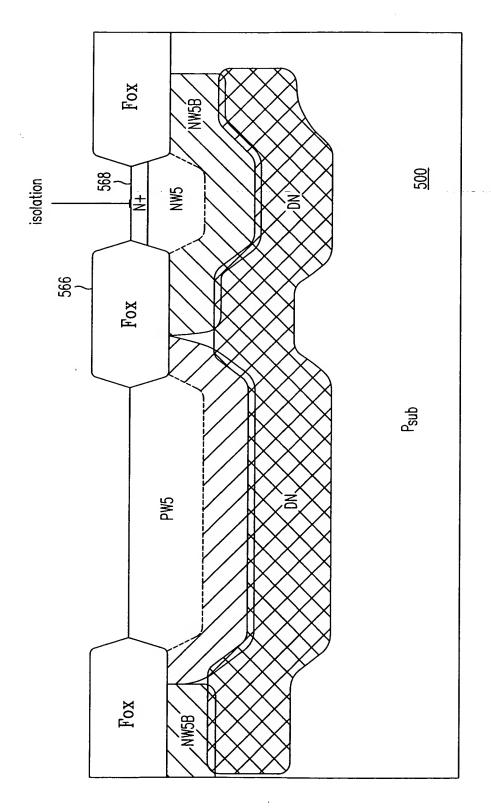


FIG. 14F

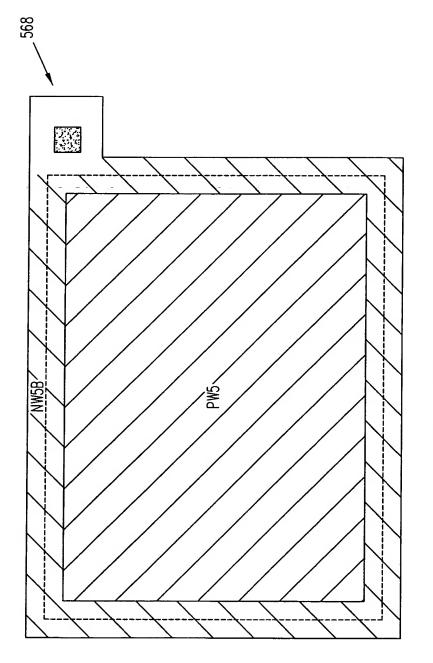


FIG. 14G

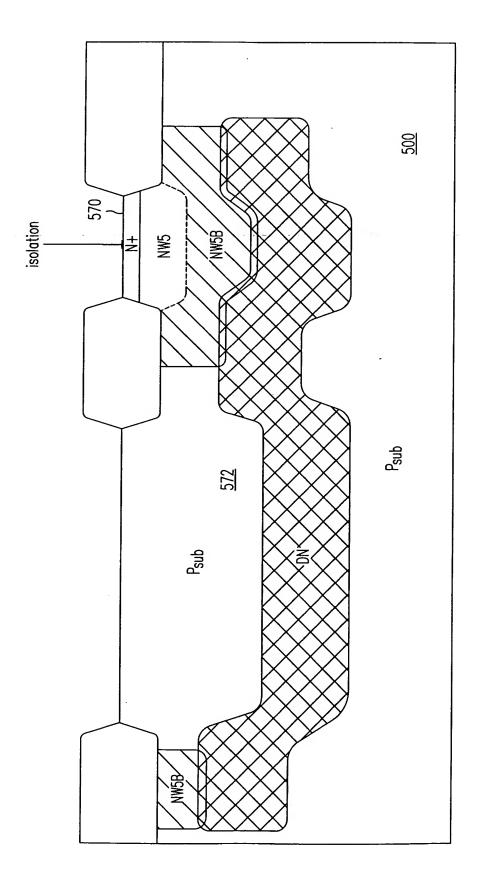


FIG. 14H

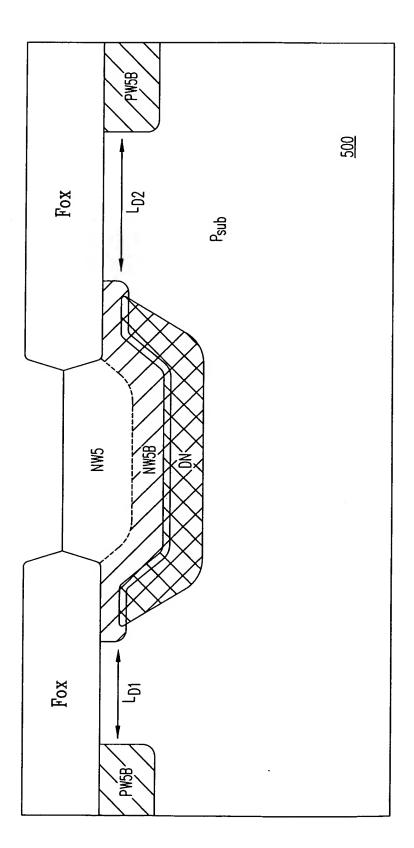


FIG. 141

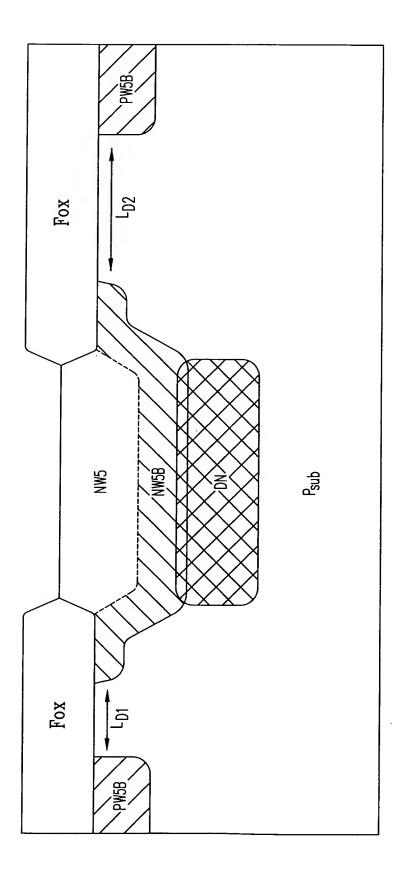


FIG. 14.1

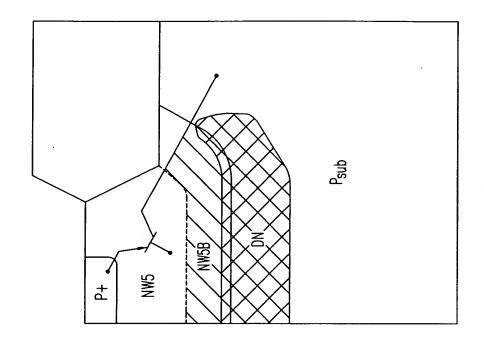


FIG. 14L

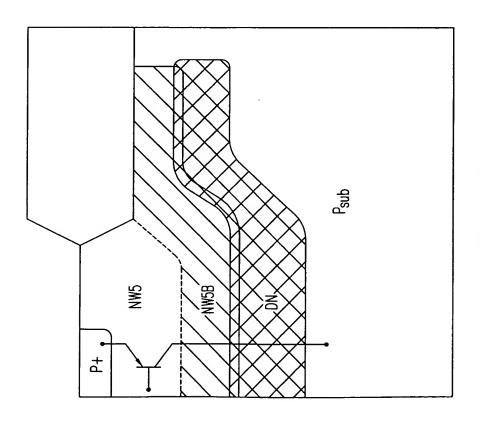


FIG. 14K

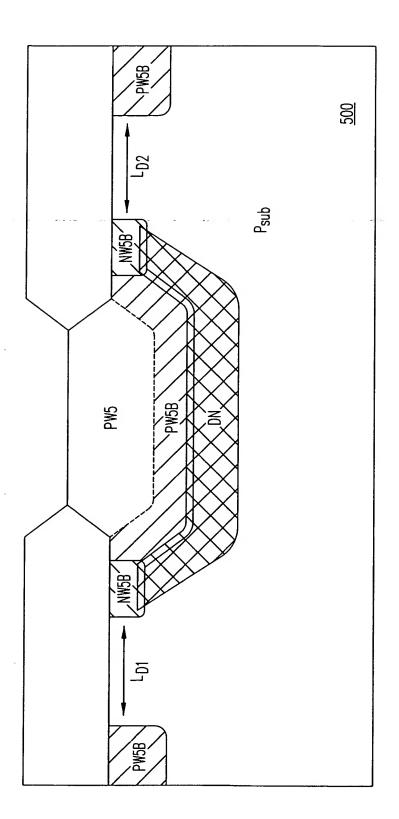


FIG. 14M

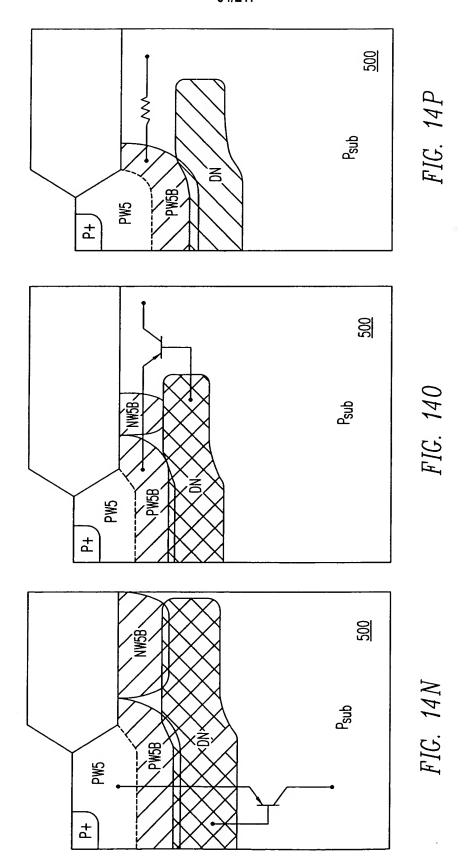


FIG. 15A

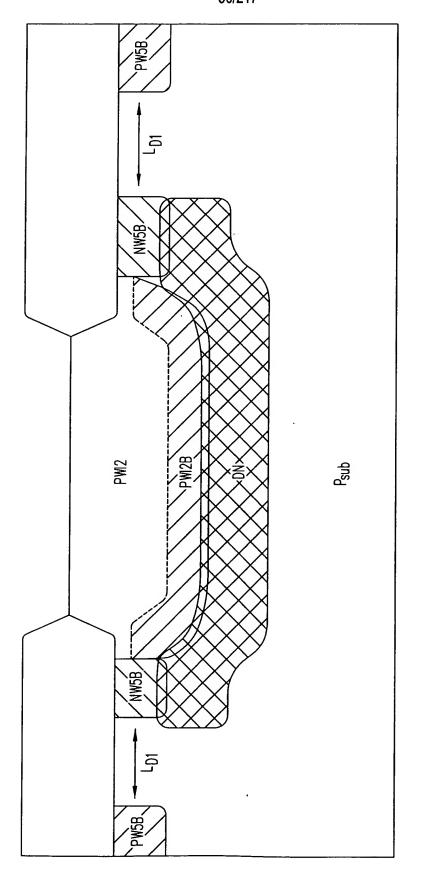


FIG. 15B

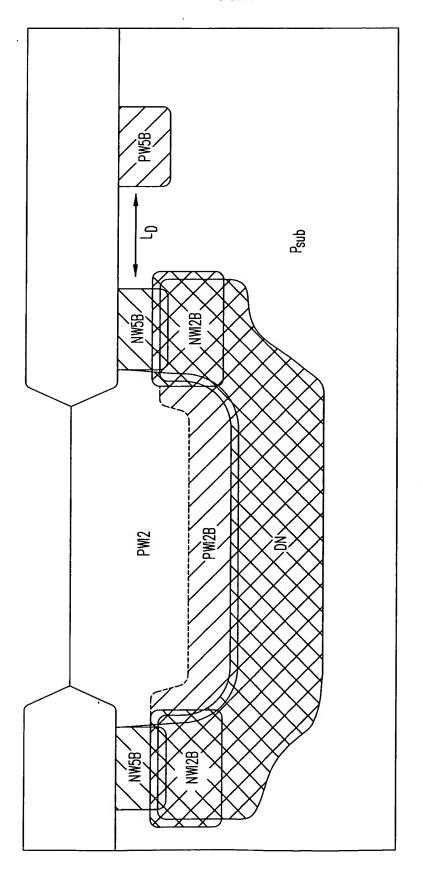
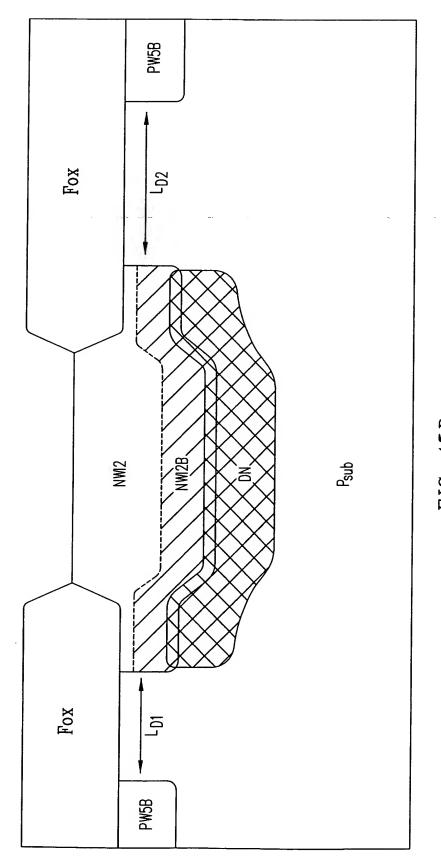


FIG. 15C



F.I.G. 15L

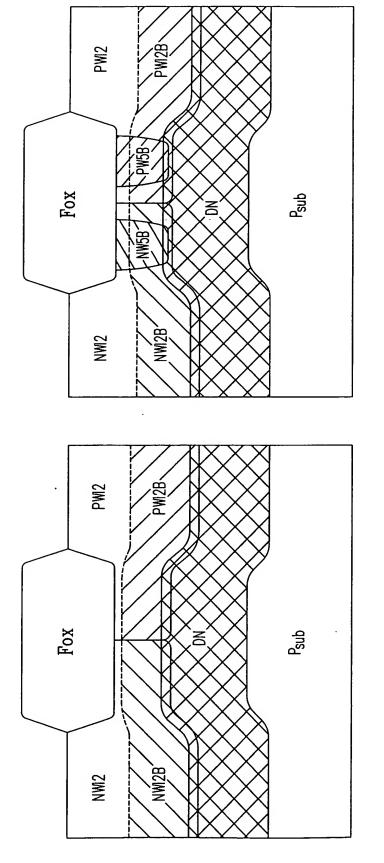
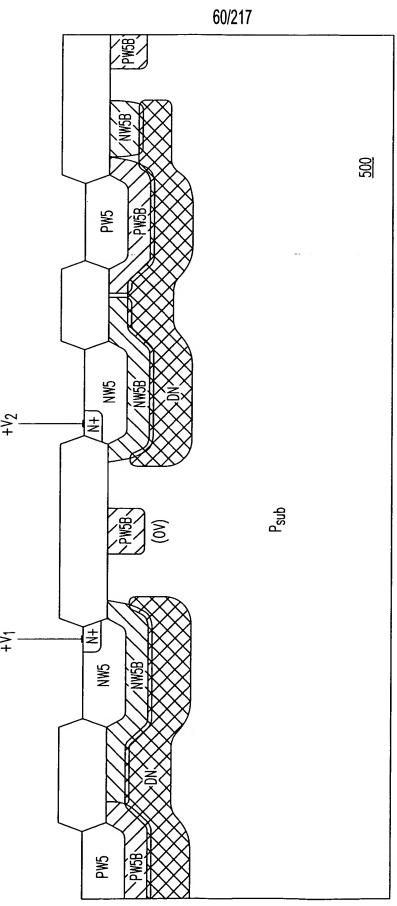


FIG. 15F



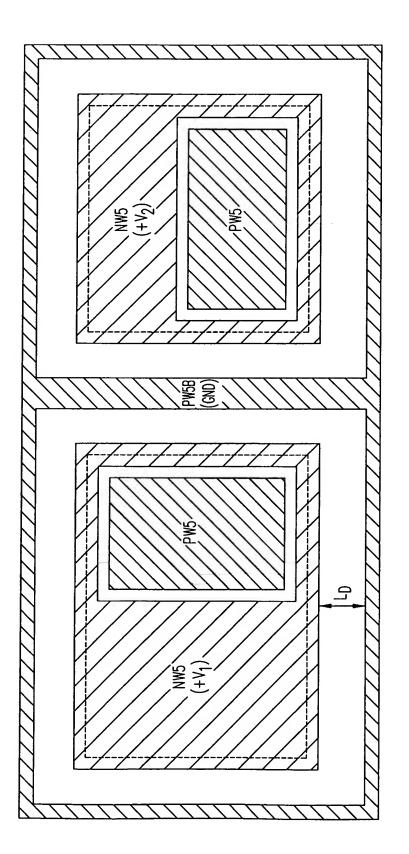


FIG. 16B

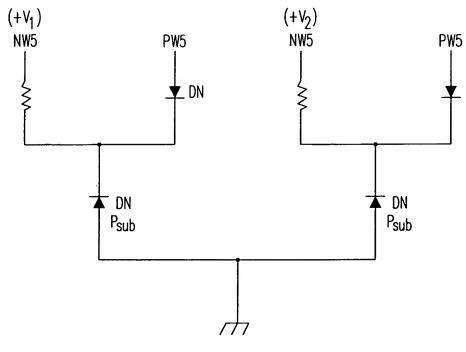


FIG. 16C

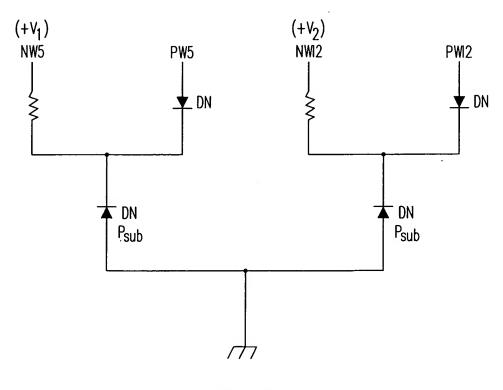


FIG. 16E

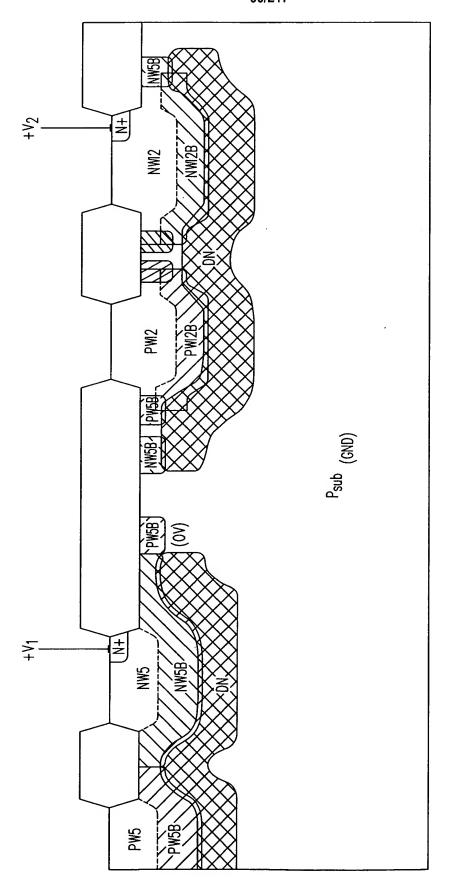


FIG. 16D

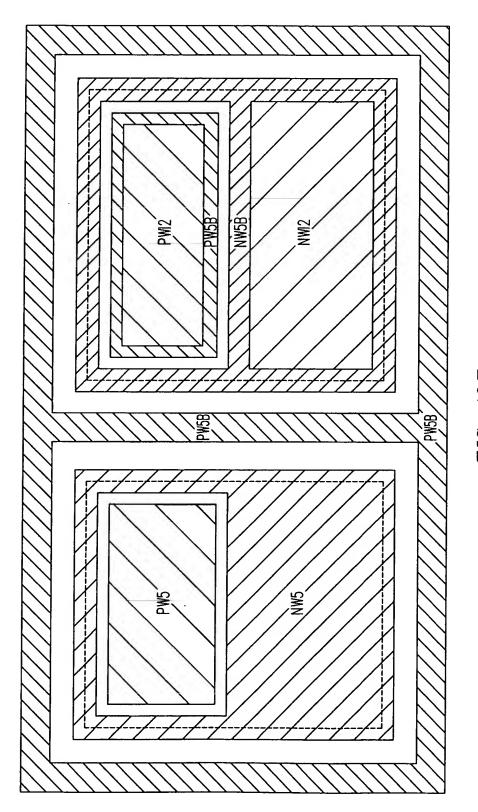


FIG. 16F

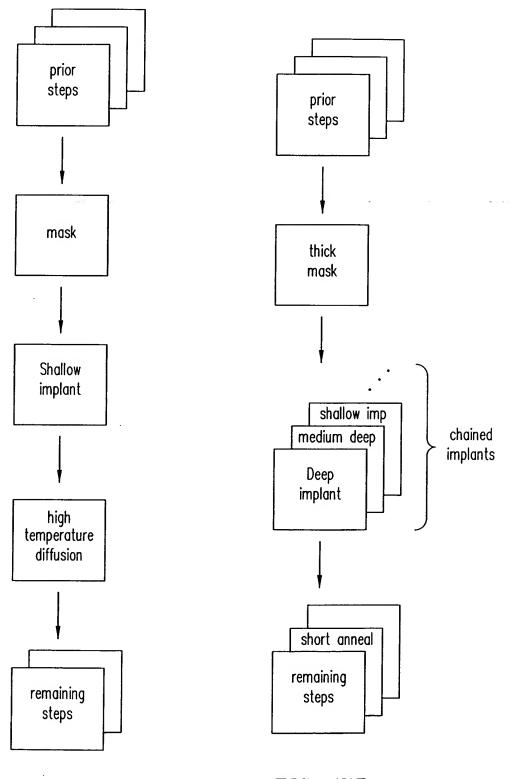
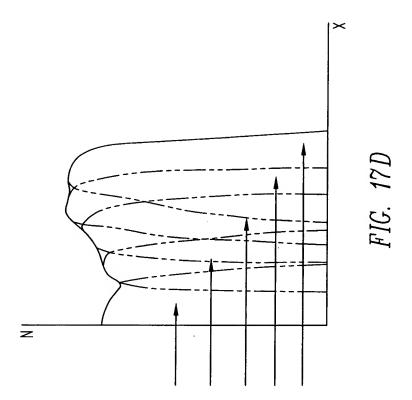
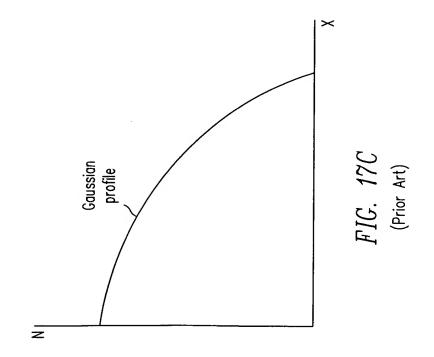
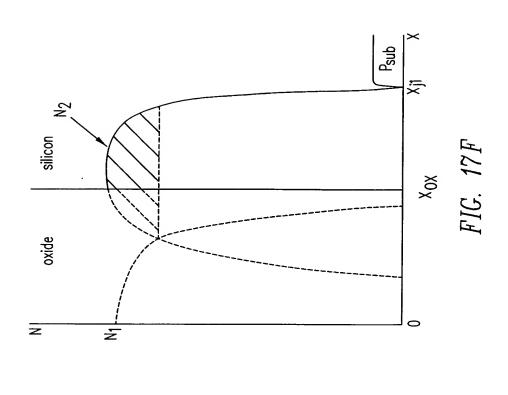


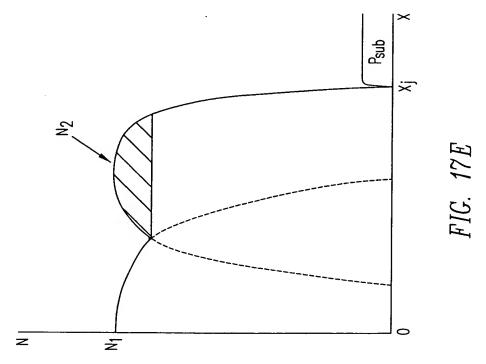
FIG. 17A (Prior Art)

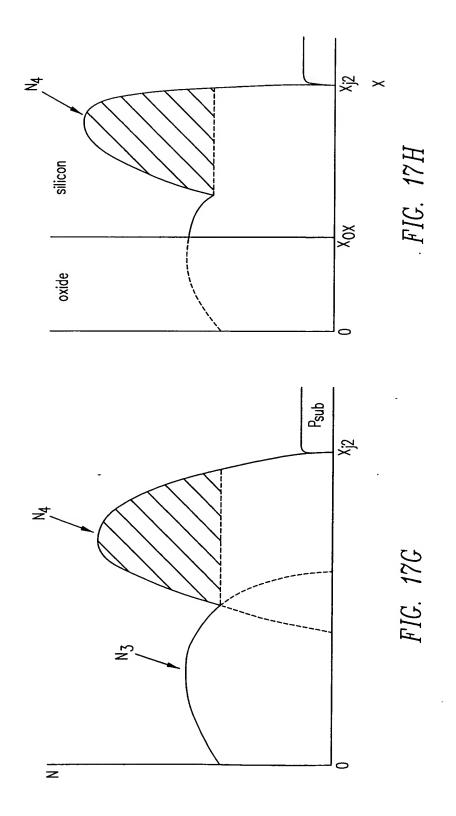
FIG. 17B

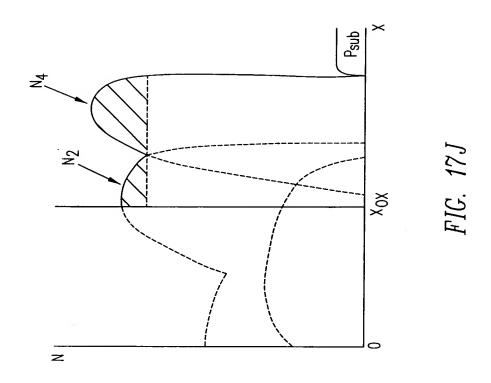


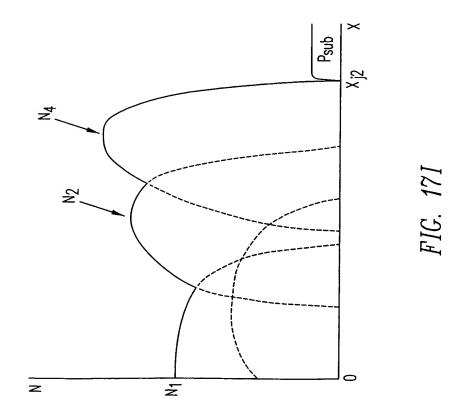


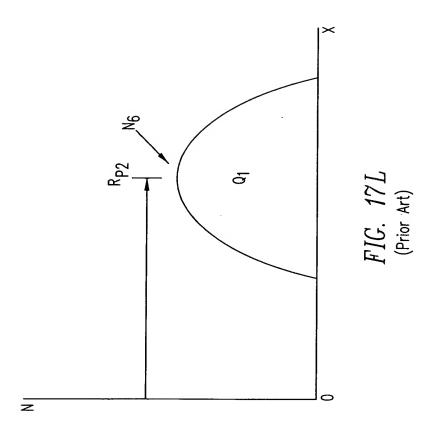


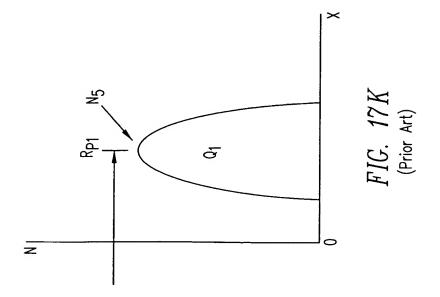


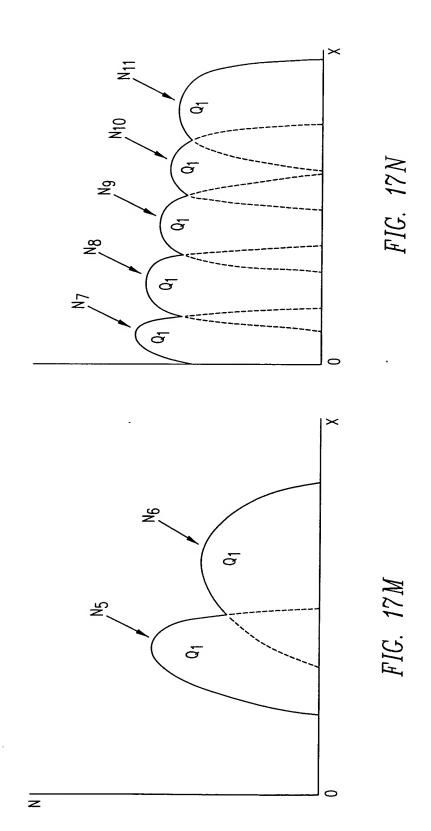


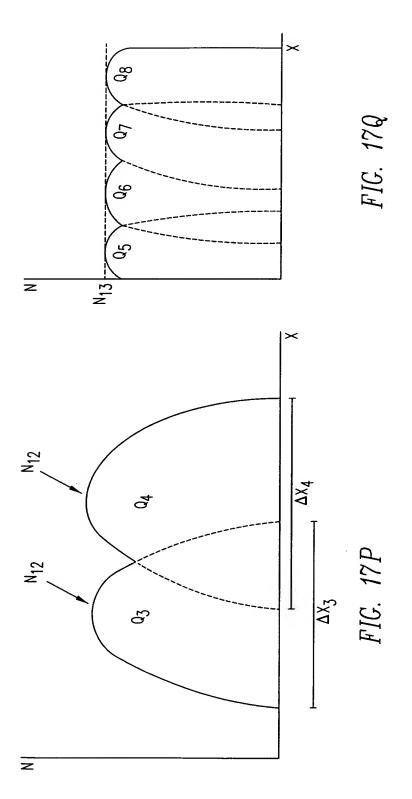




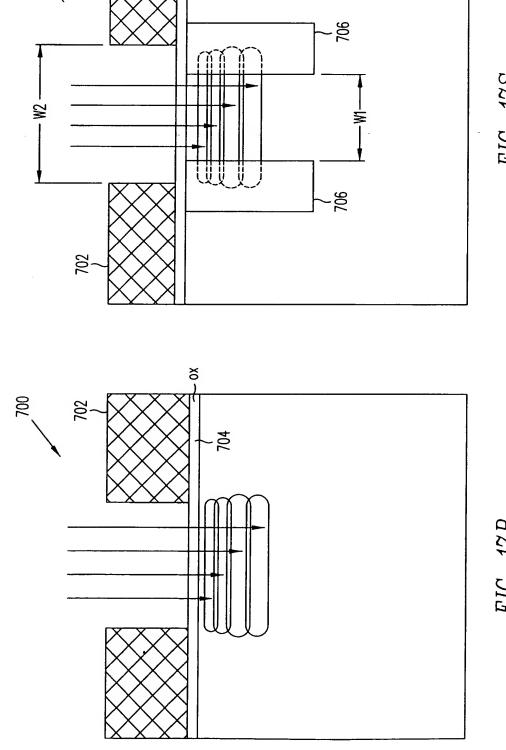






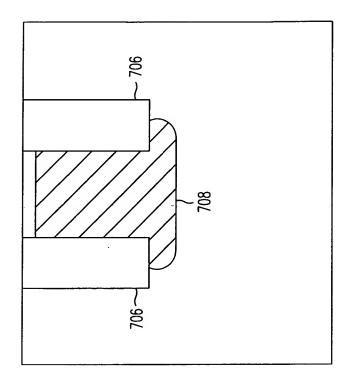


200



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700

F'IG. 17'I'

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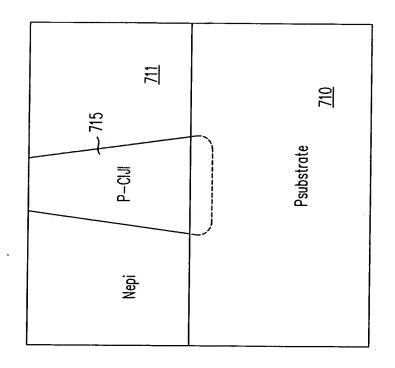
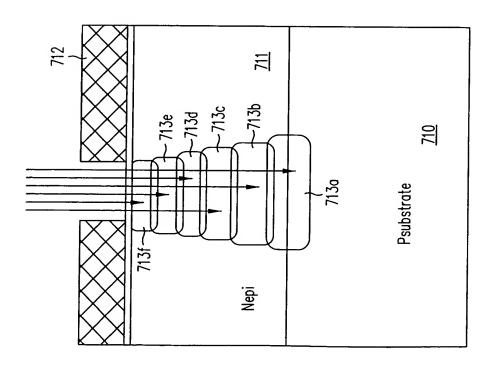


FIG. 17V



F1G. 17U

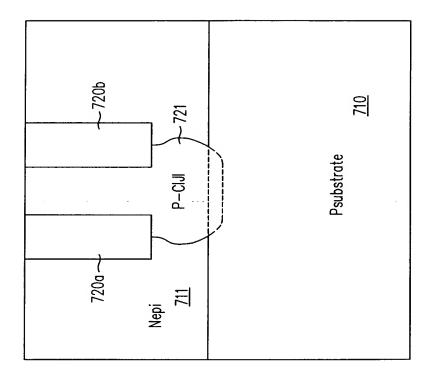
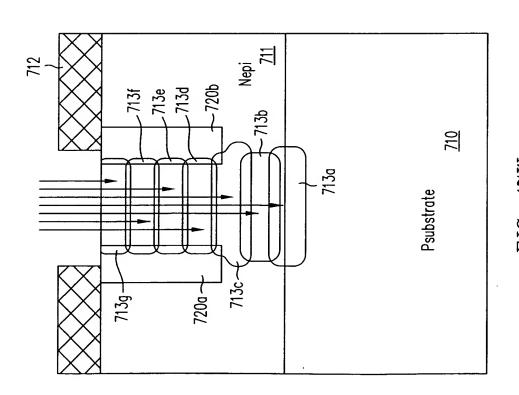


FIG. 17X



F1G. 17W

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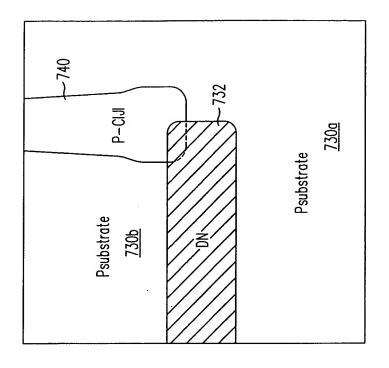


FIG. 17Z

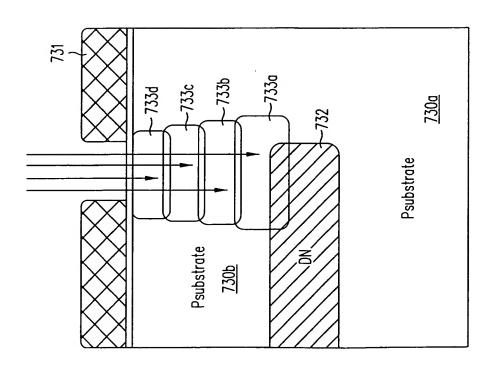
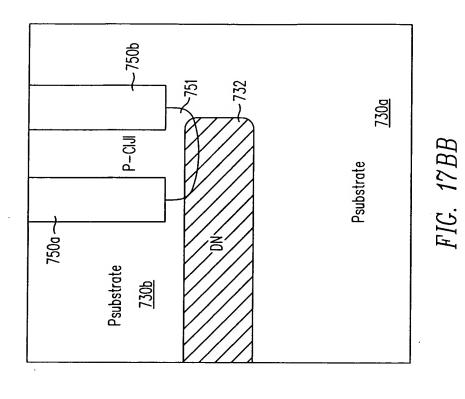


FIG. 17Y



-750b

Psubstrate <u>730b</u>

~7330

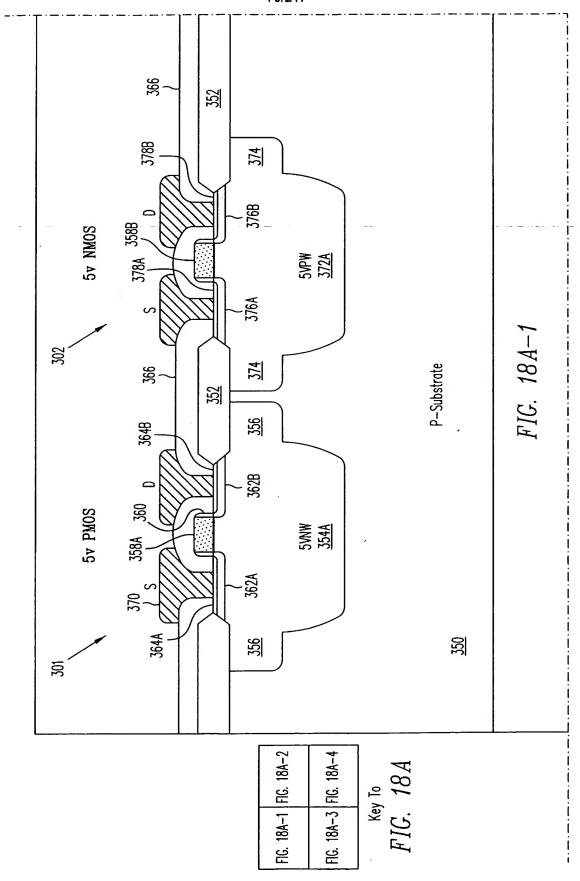
733d 733c 733b

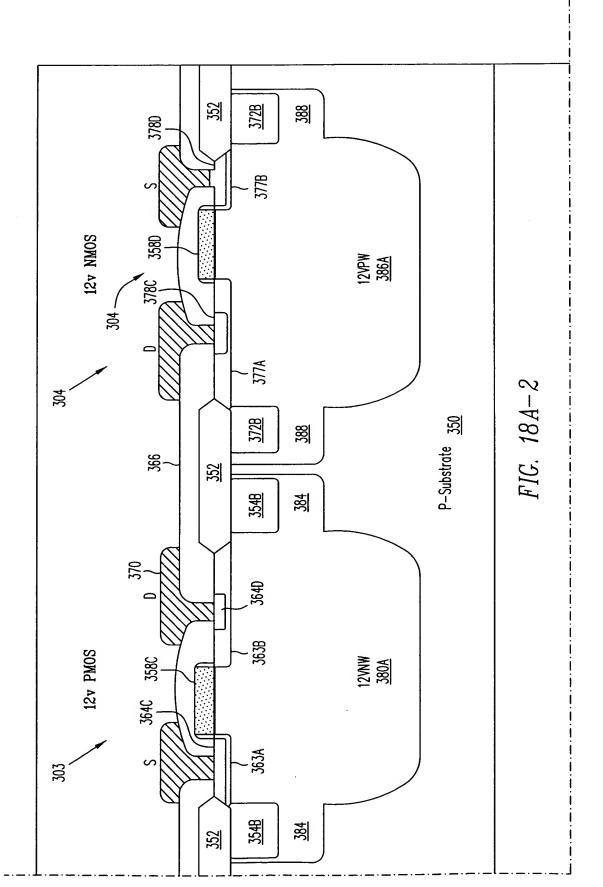
733e

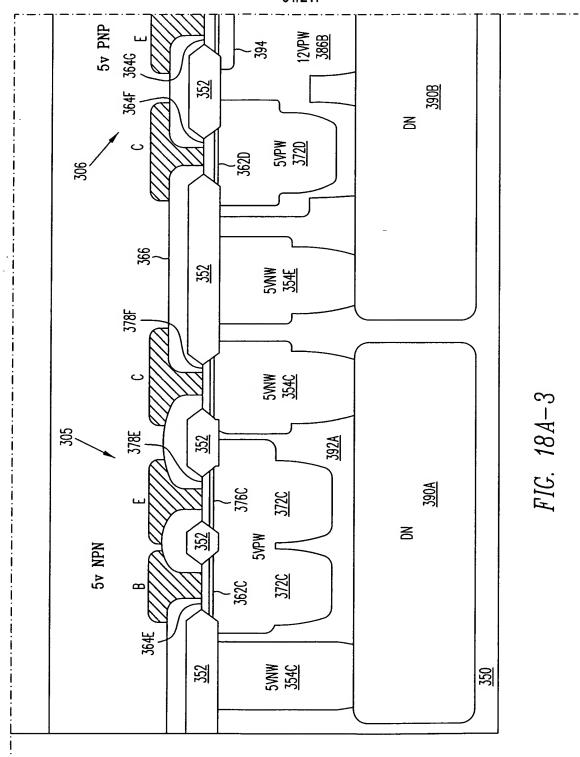
FIG. 17AA

730a

Psubstrate







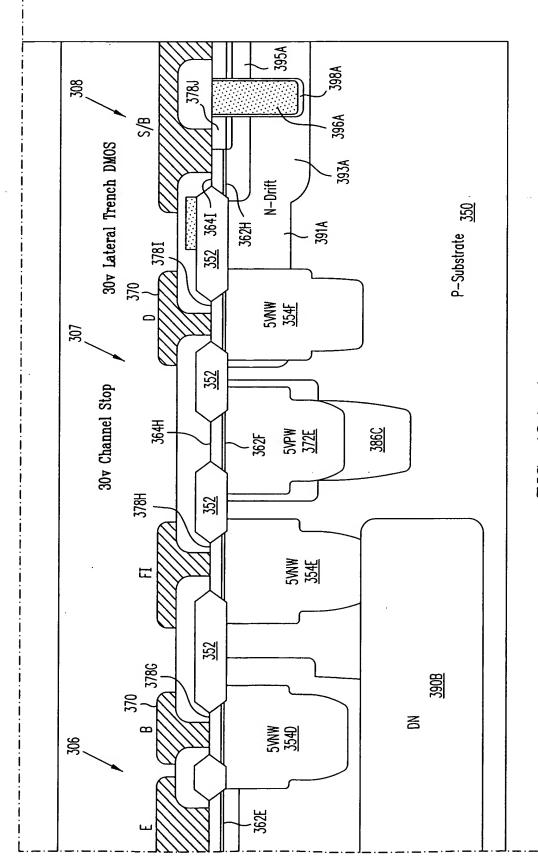
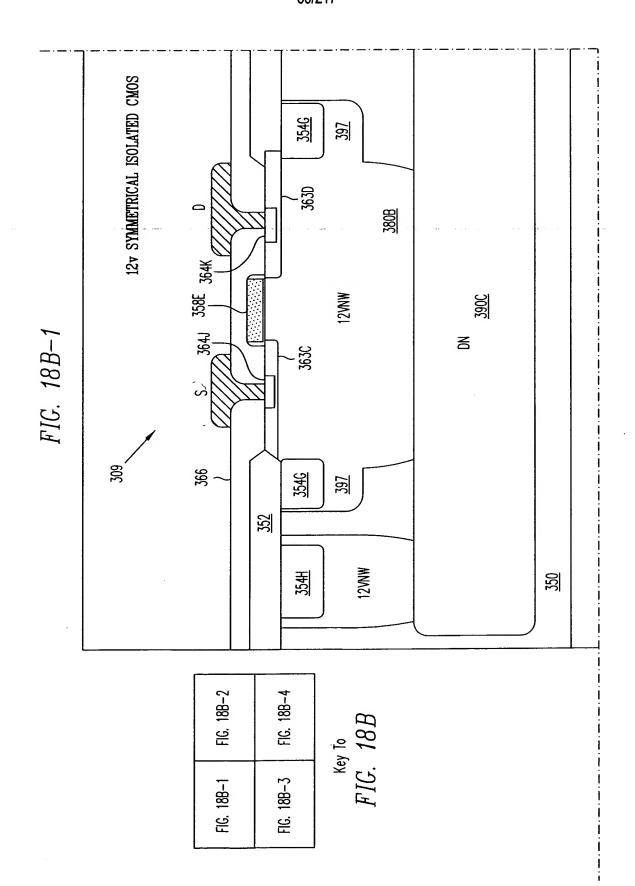
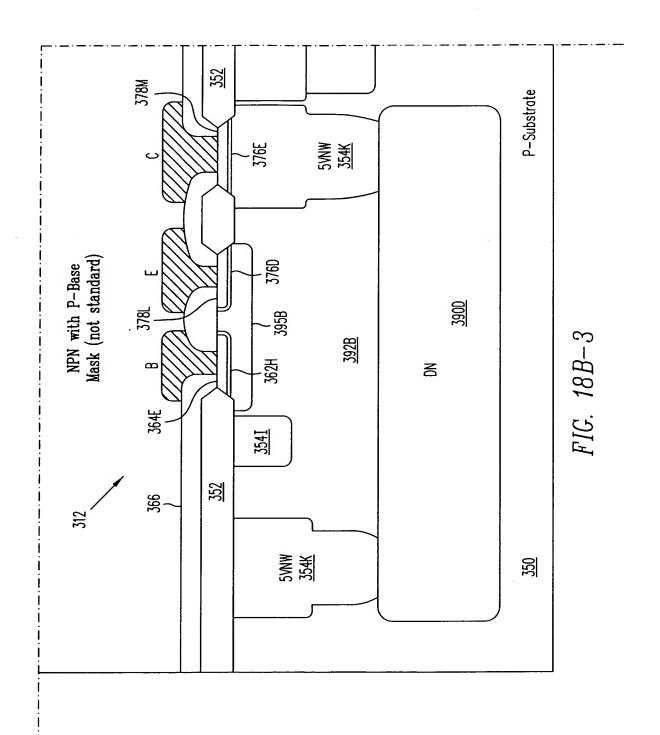


FIG. 18A-4





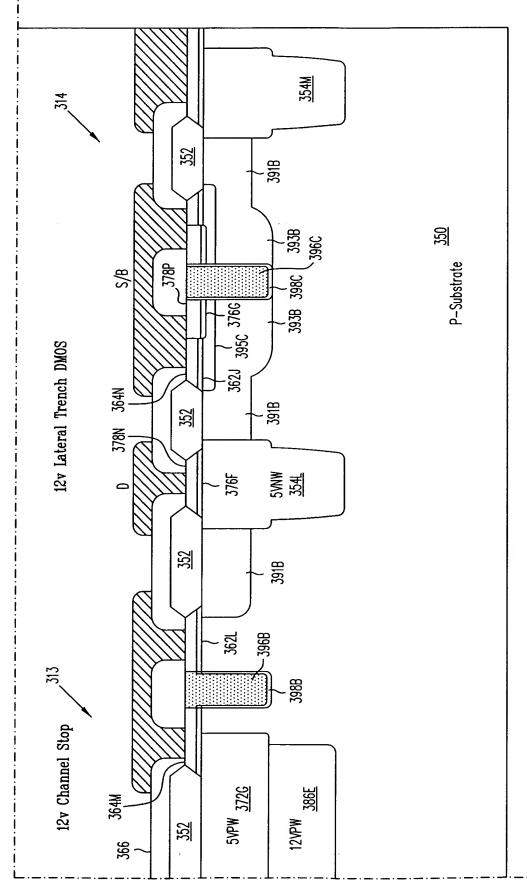


FIG. 18B-4

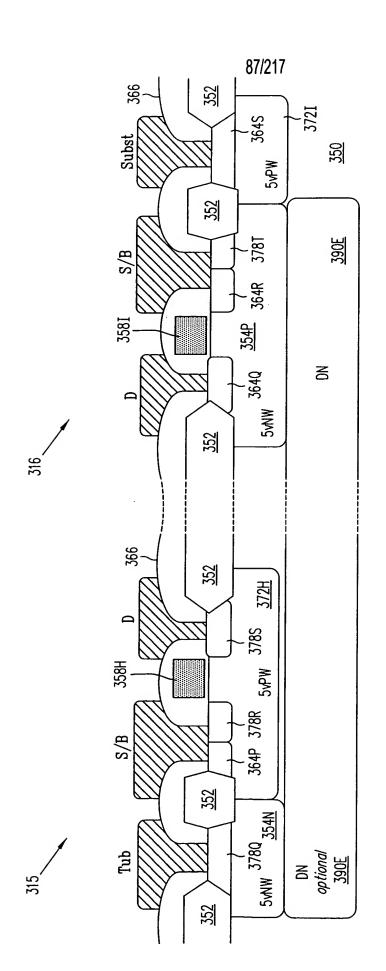
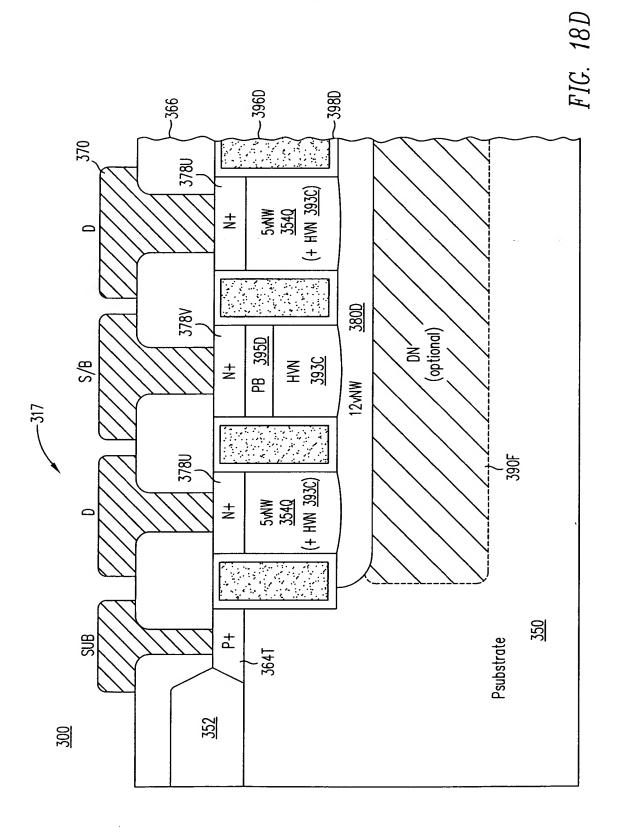
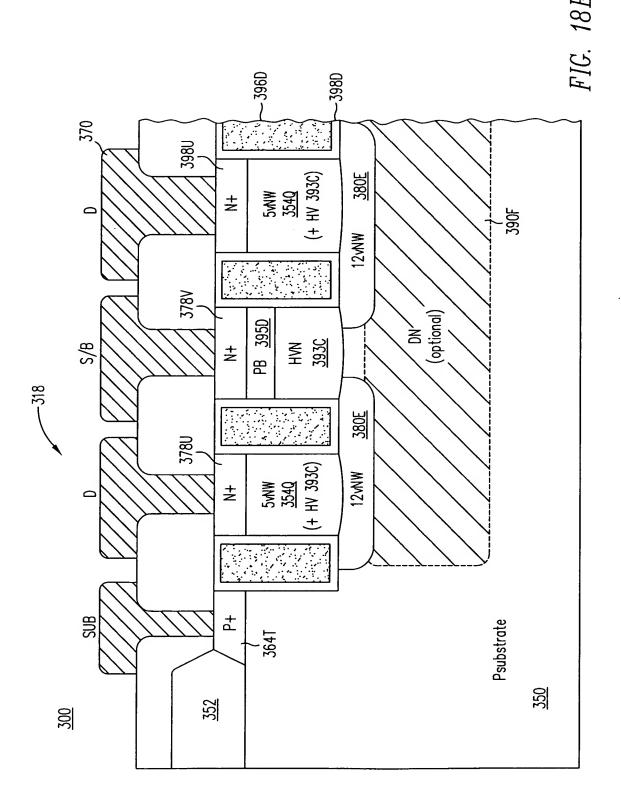


FIG. 18C





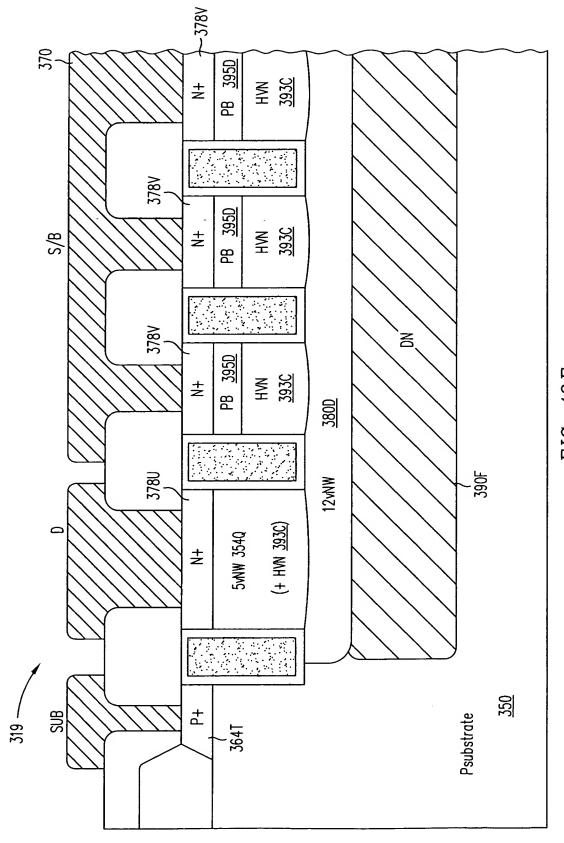


FIG. 18F

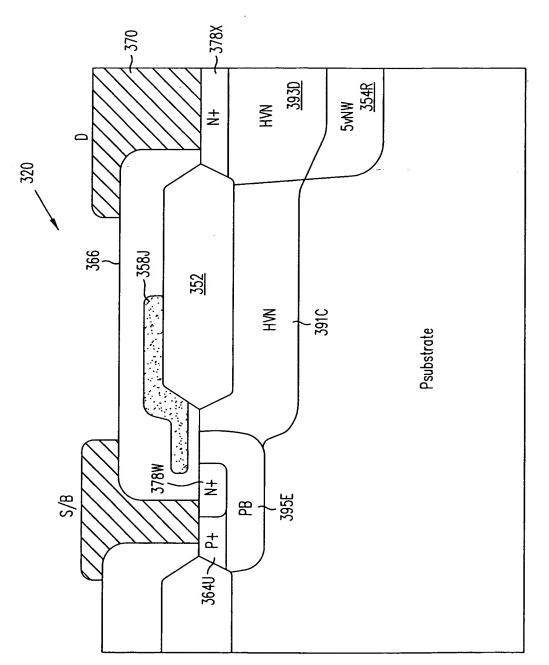


FIG. 186

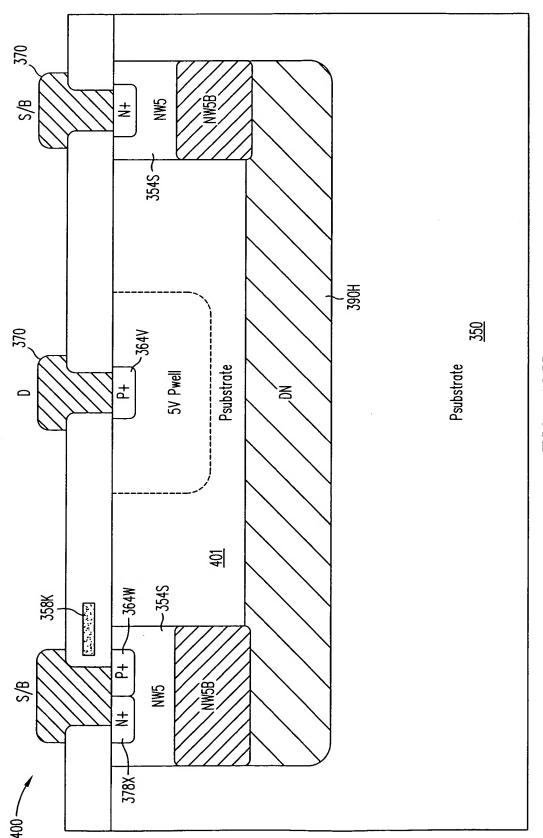
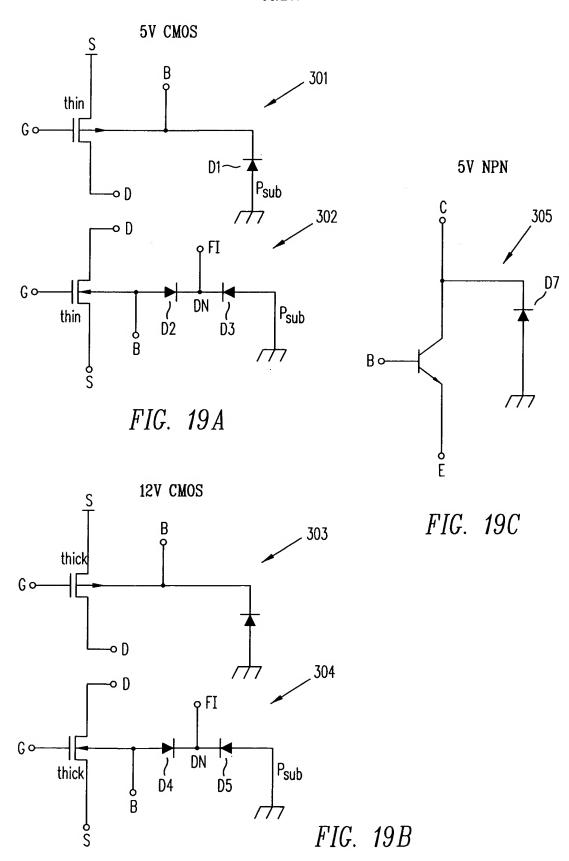
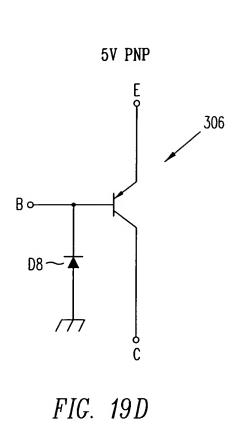


FIG. 18H





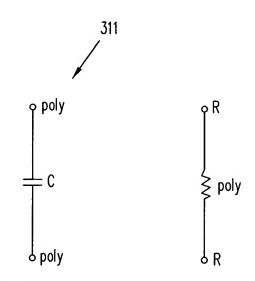
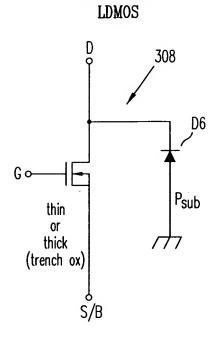


FIG. 19F

FIG. 19G



30V Trench

FIG. 19E

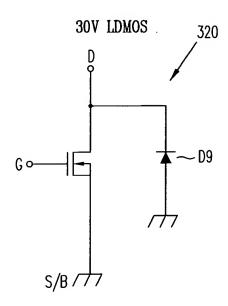
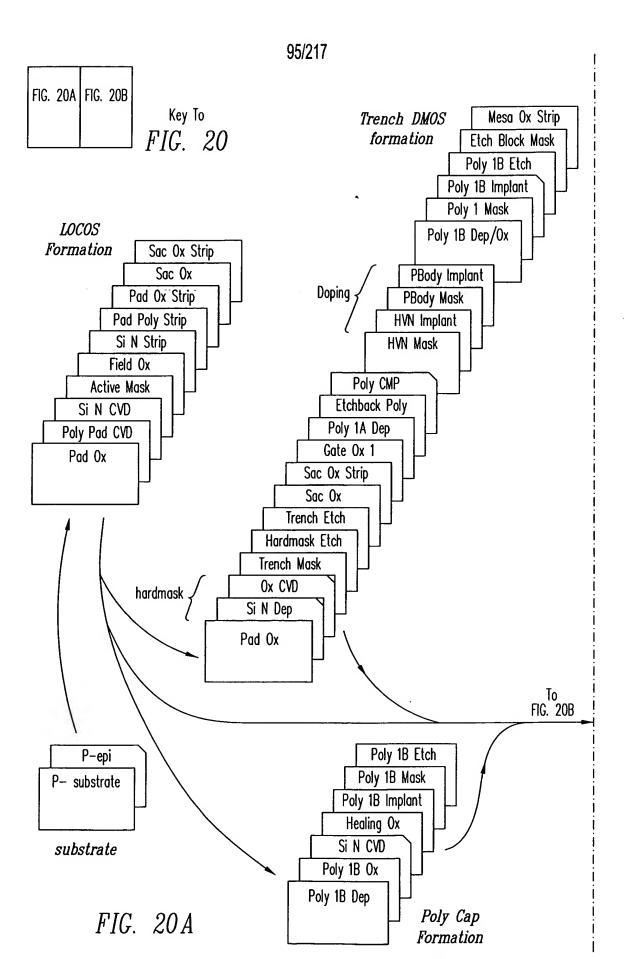
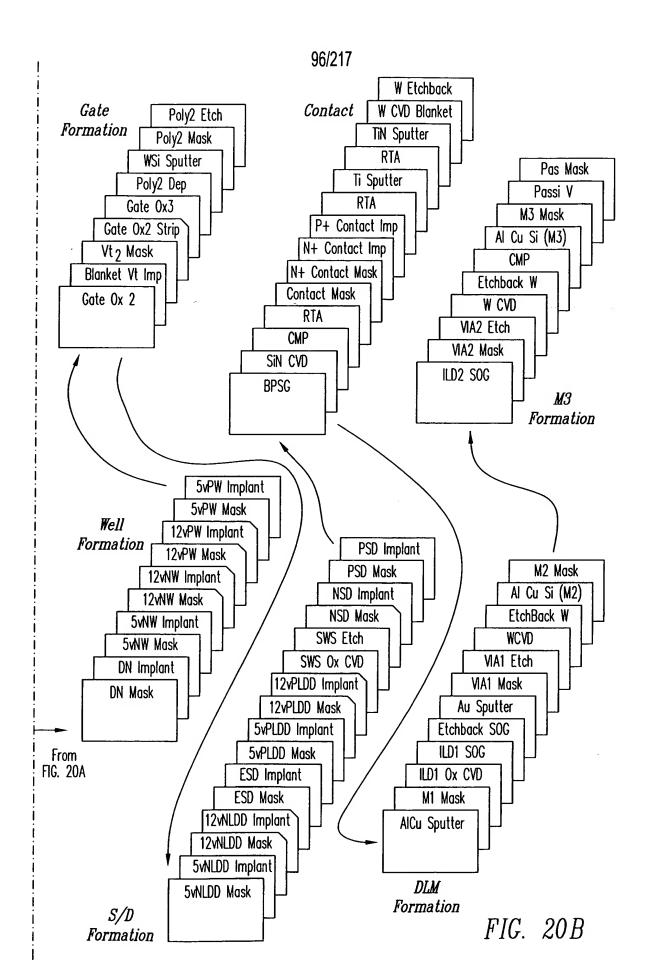
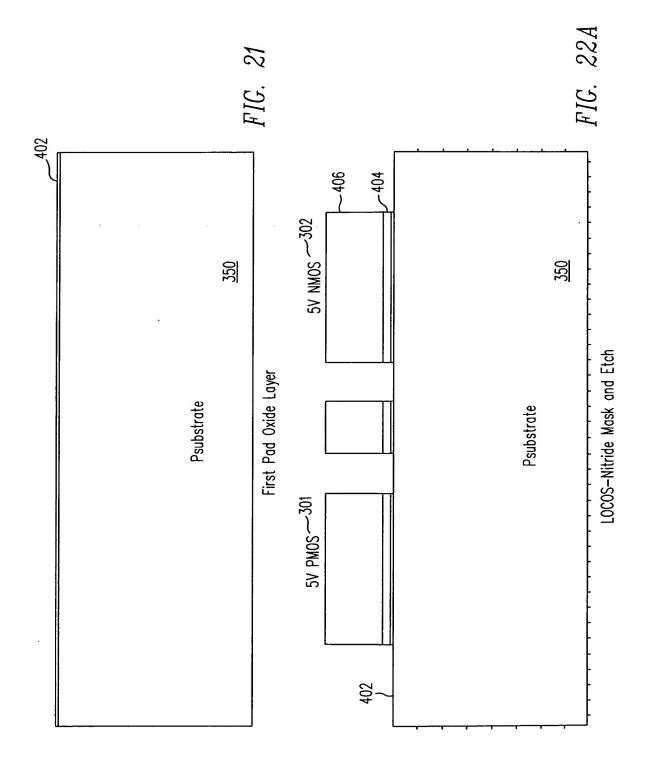
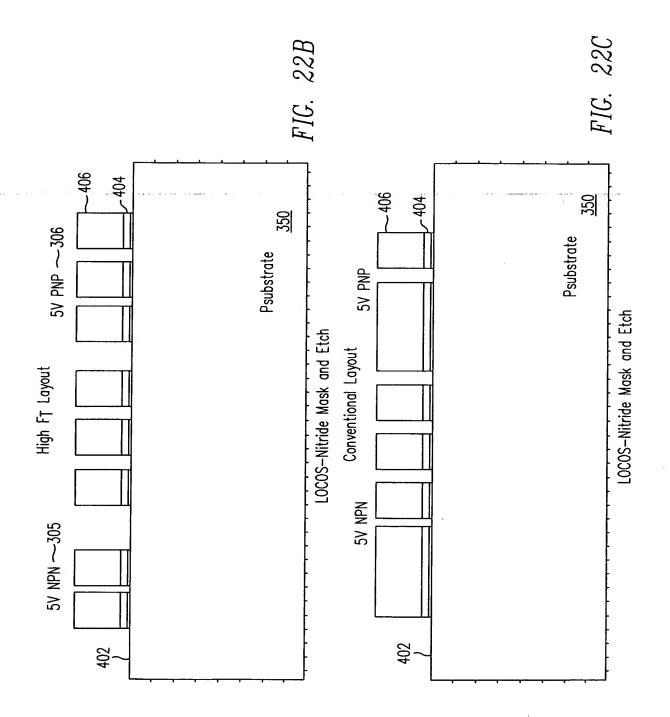


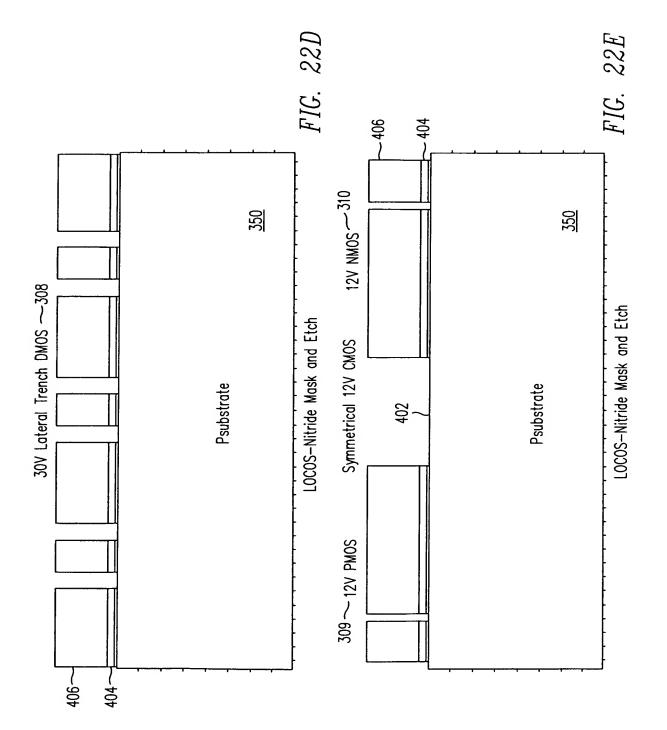
FIG. 19H

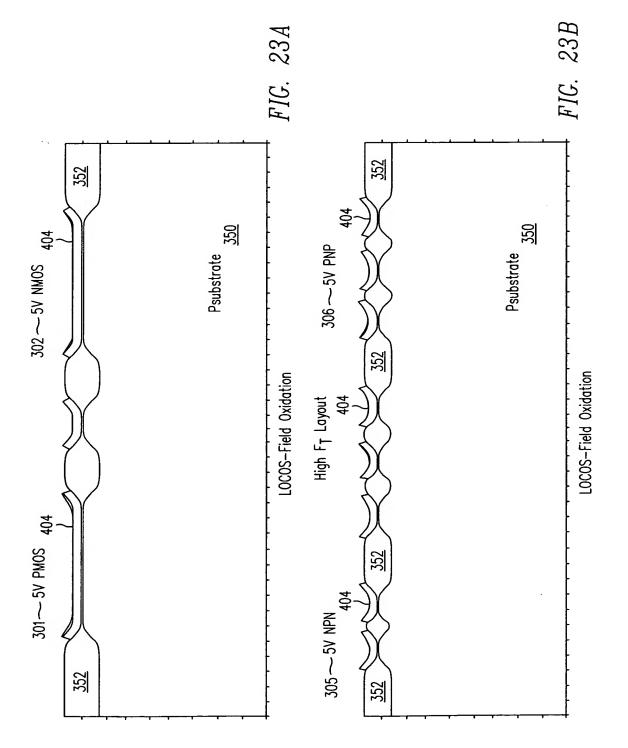


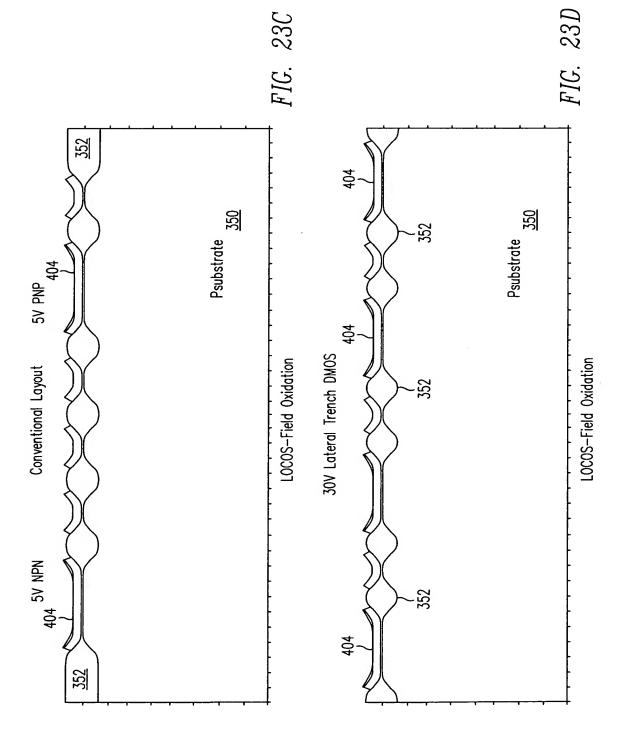


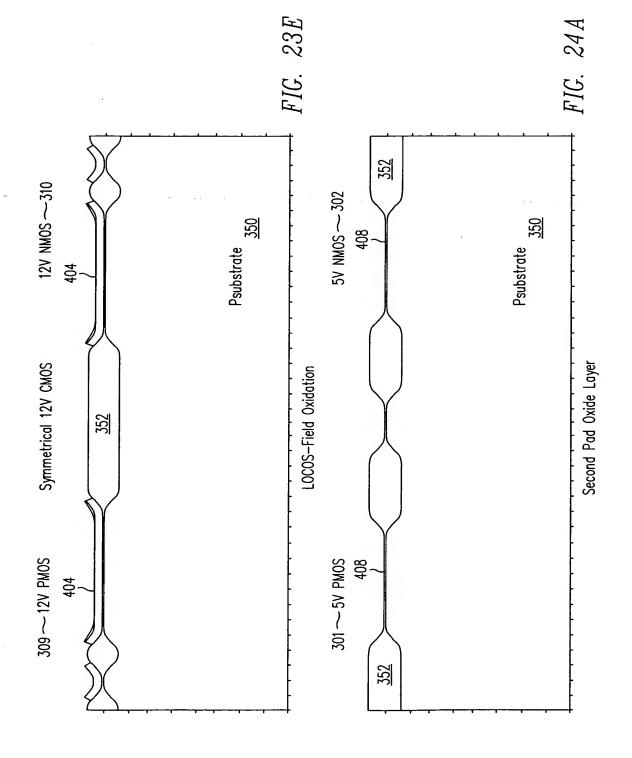


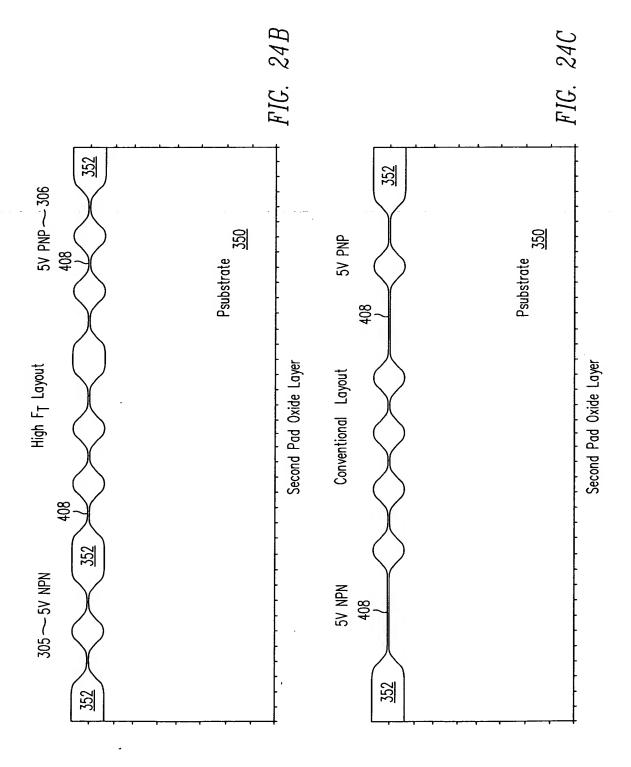


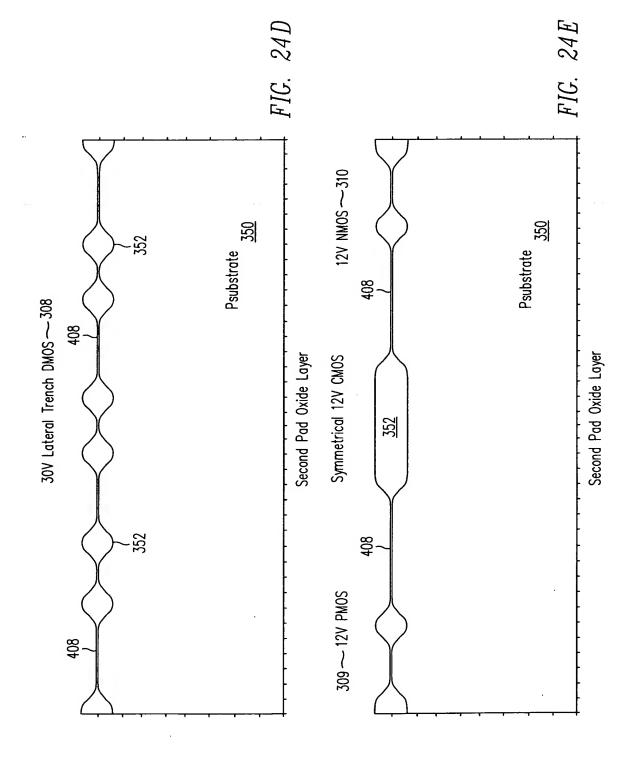


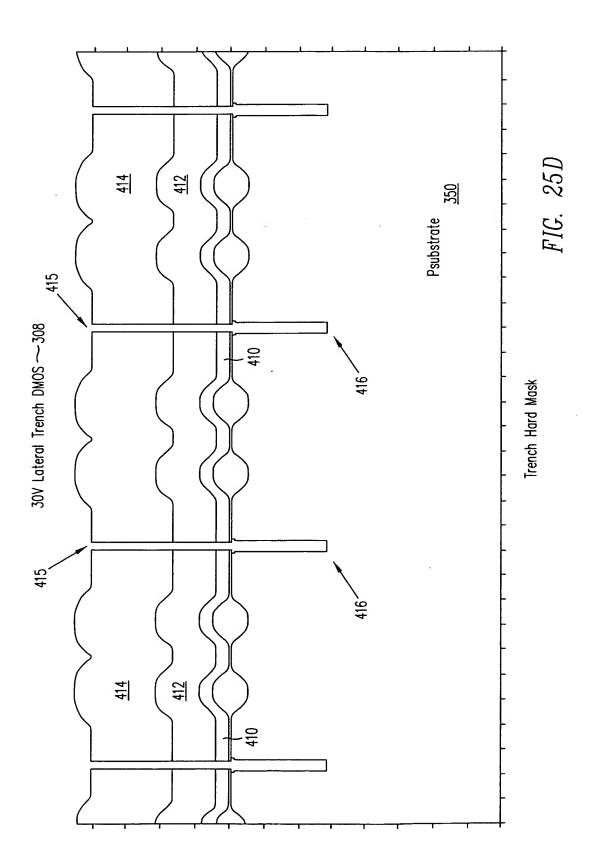


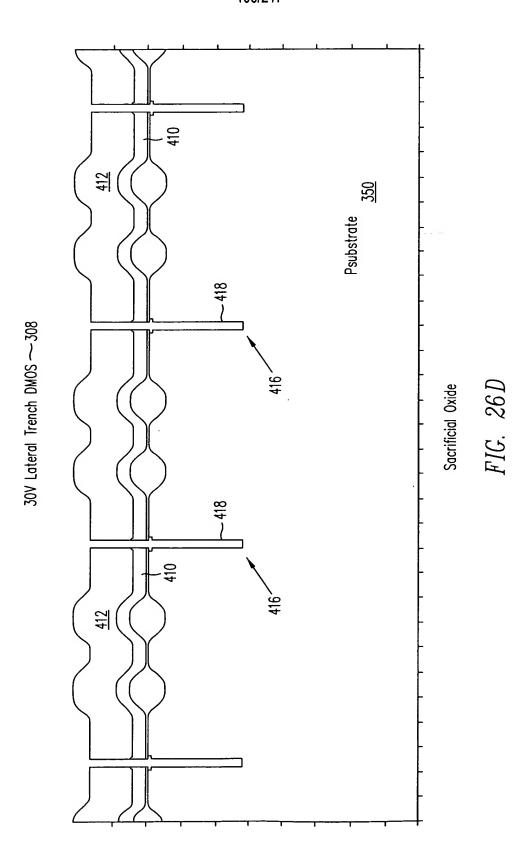


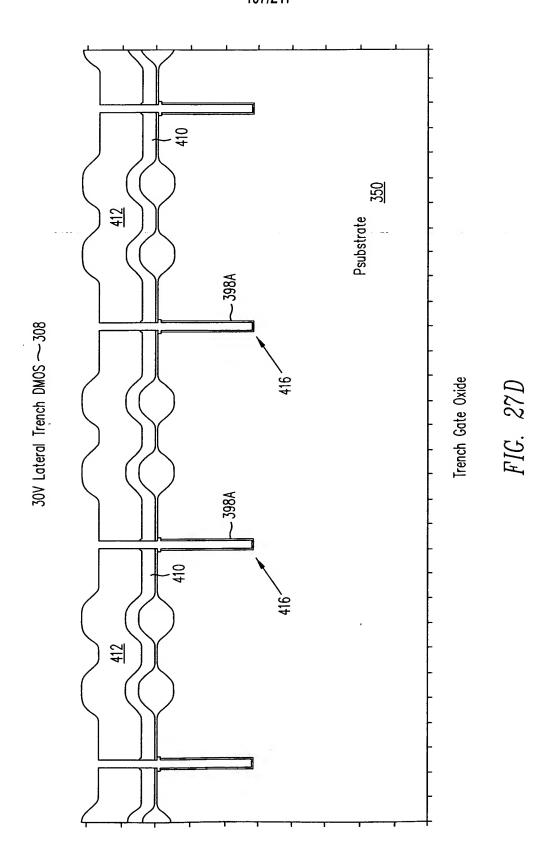


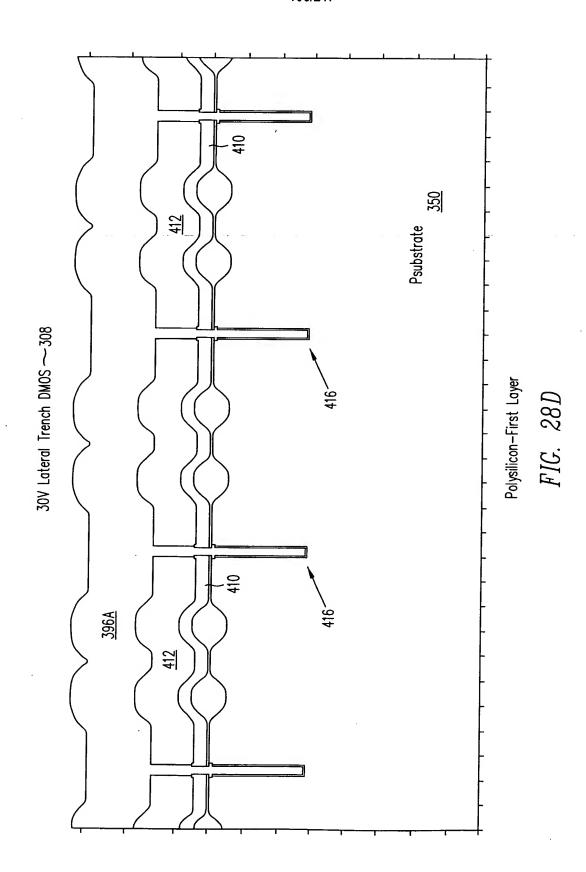


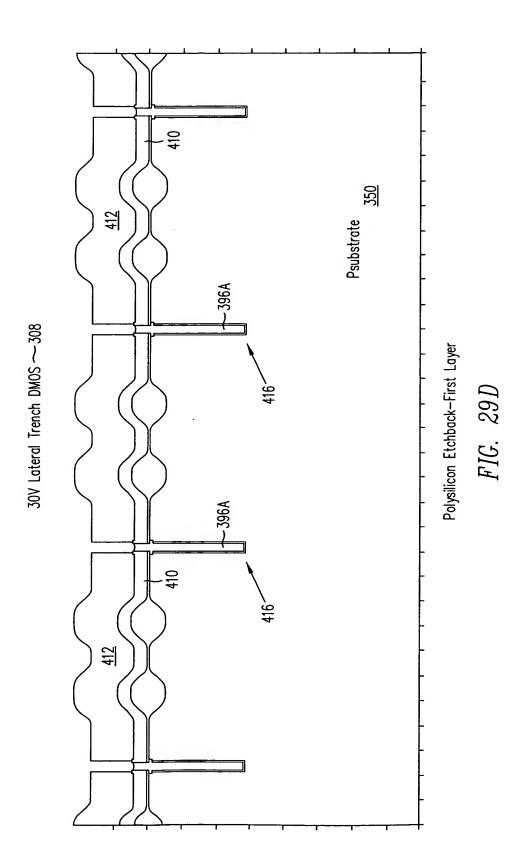


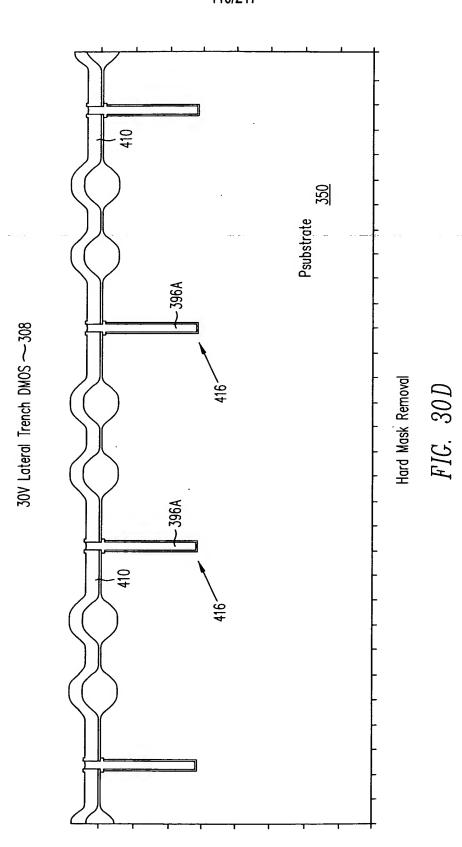


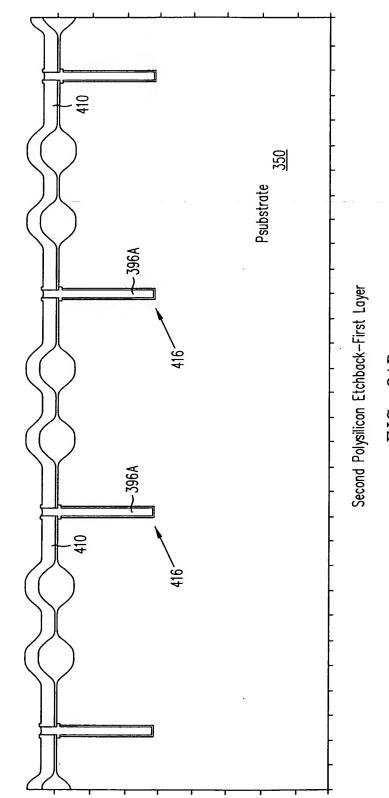






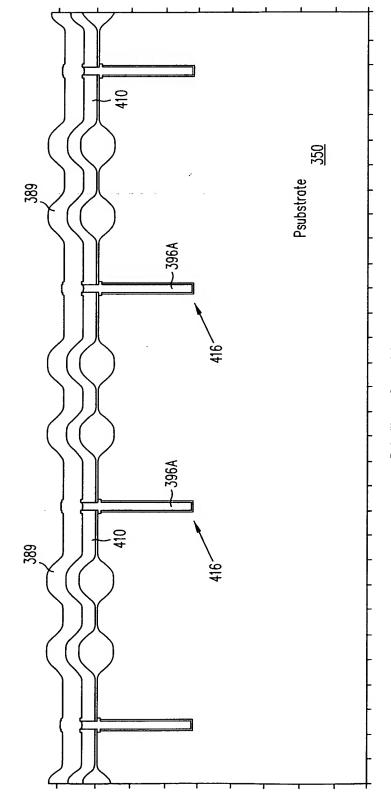






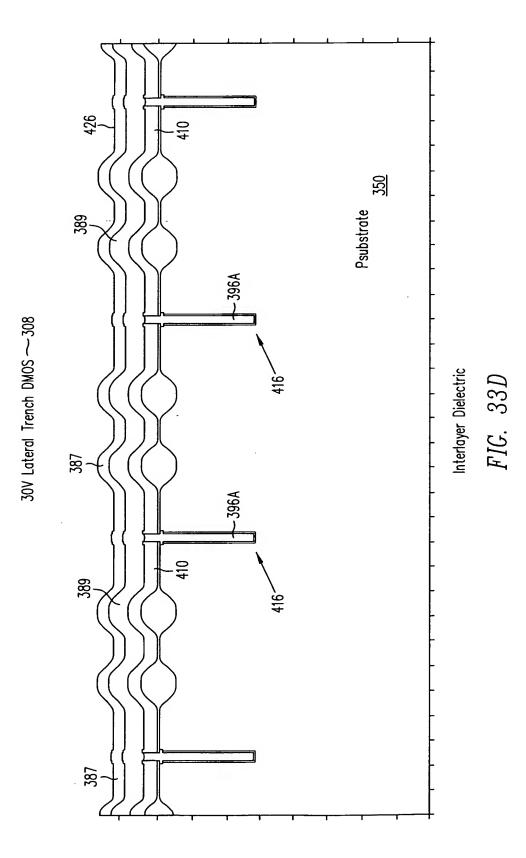
30V Lateral Trench DMOS -308

FIG. 31D



30V Lateral Trench DMOS -308

Polysilicon—Second Layer $FIG.\ 32D$



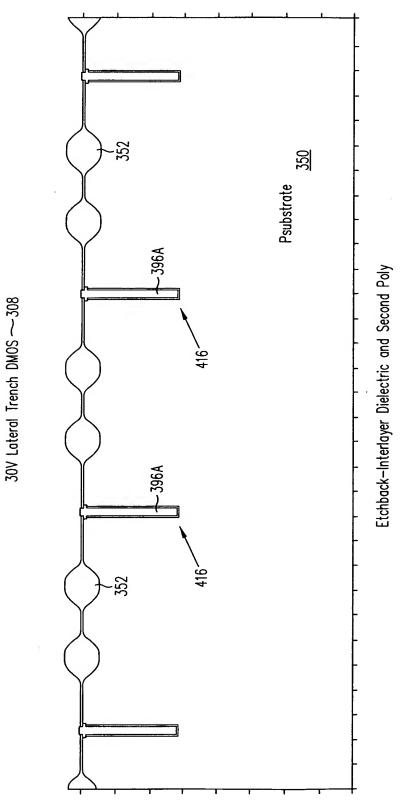
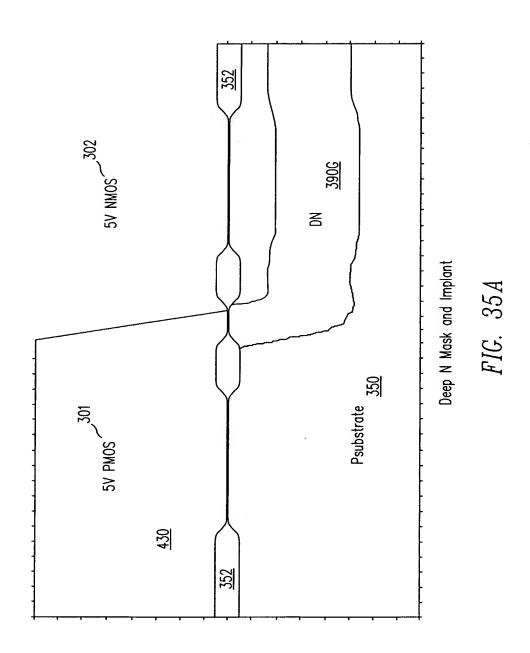
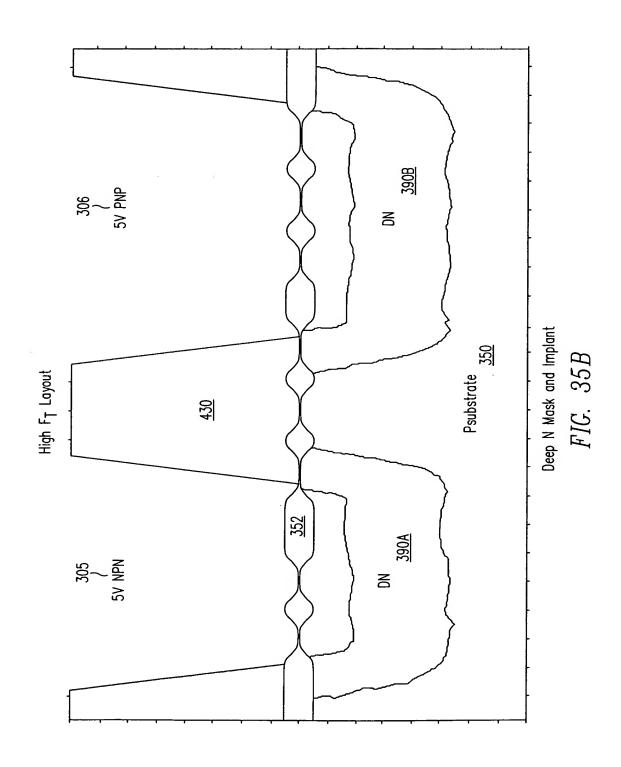
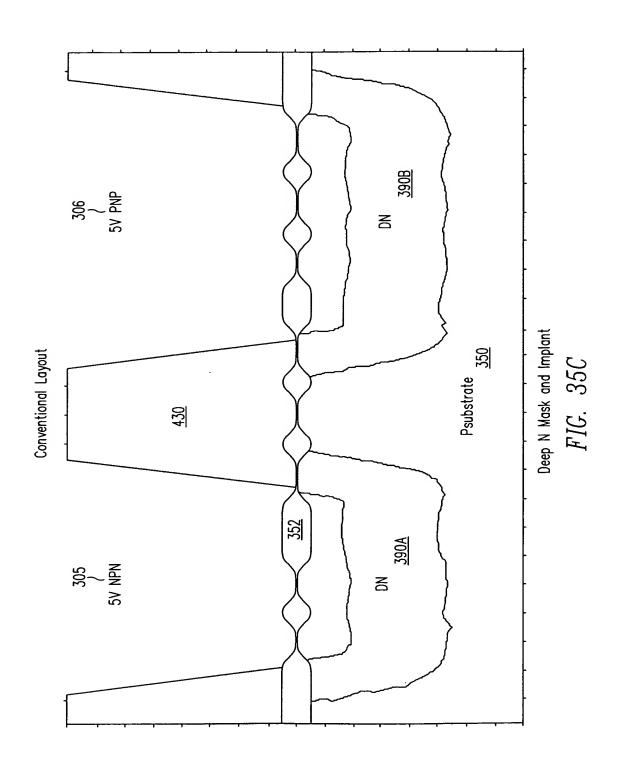
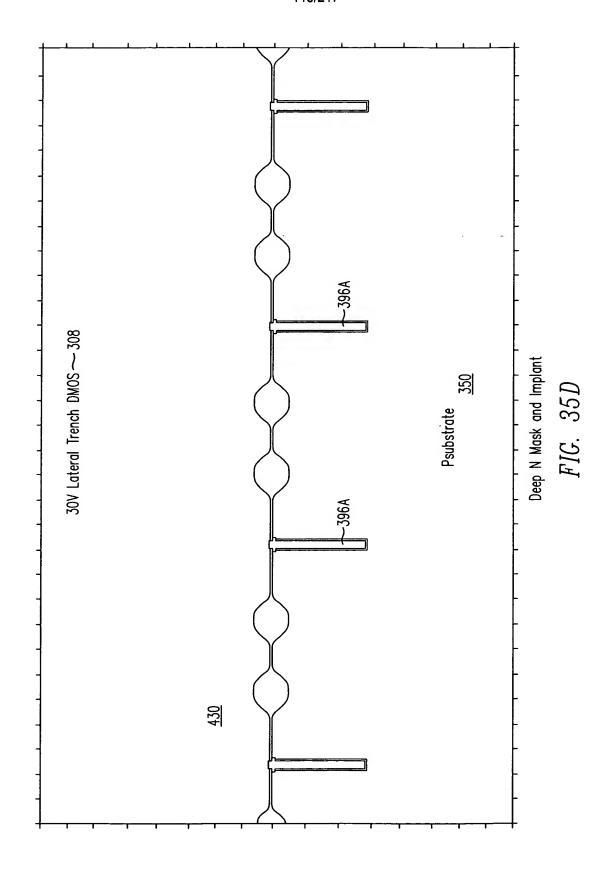


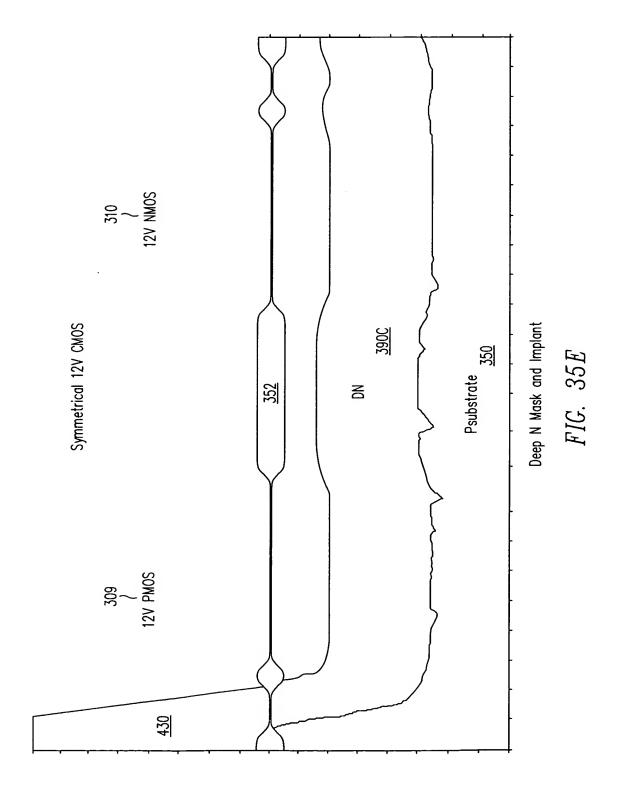
FIG. 34D











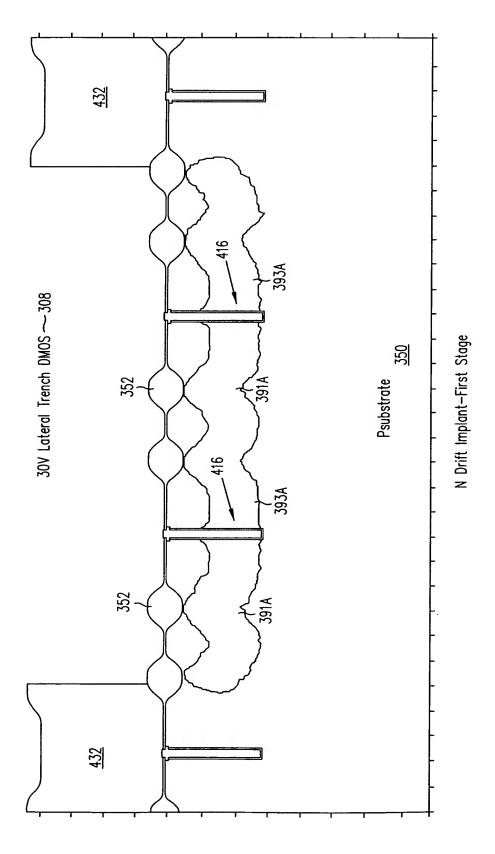
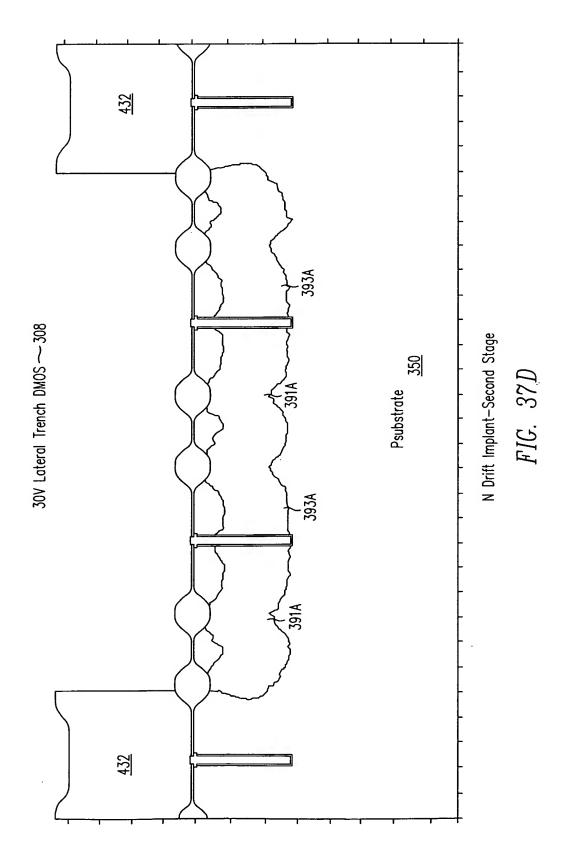
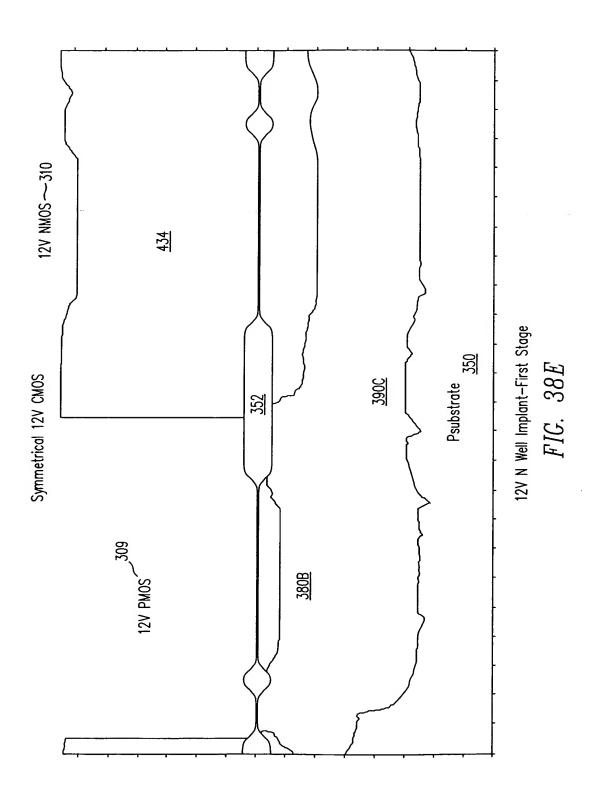
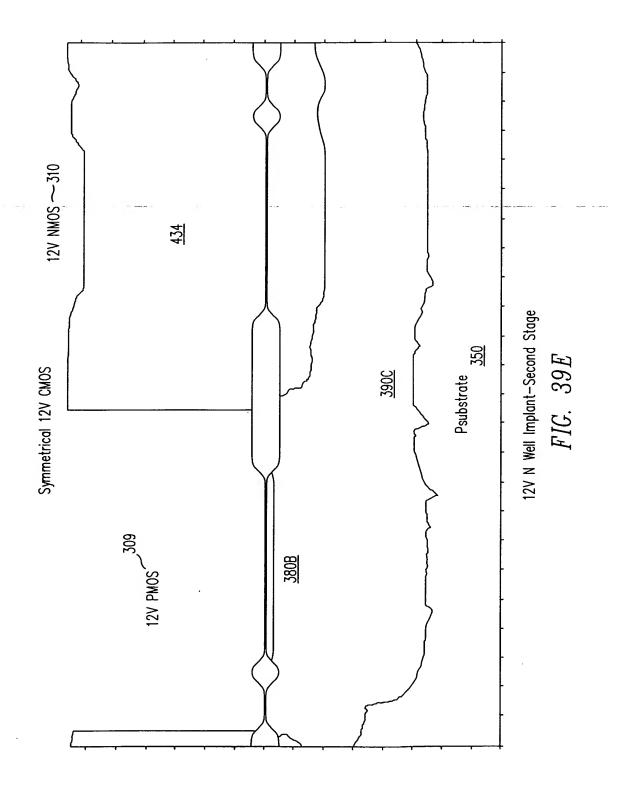
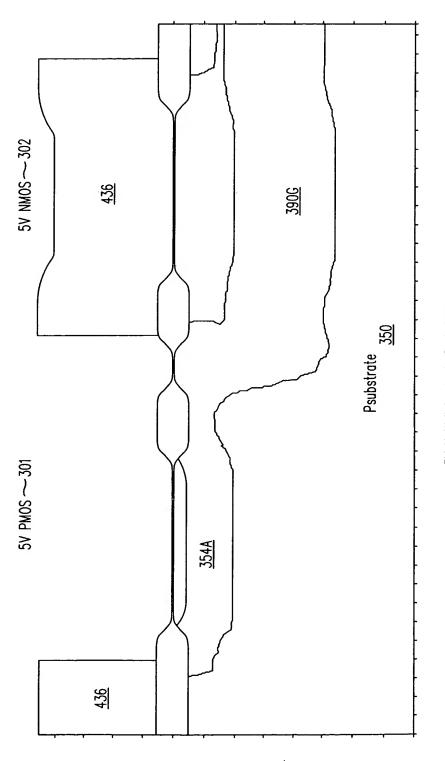


FIG. 36D

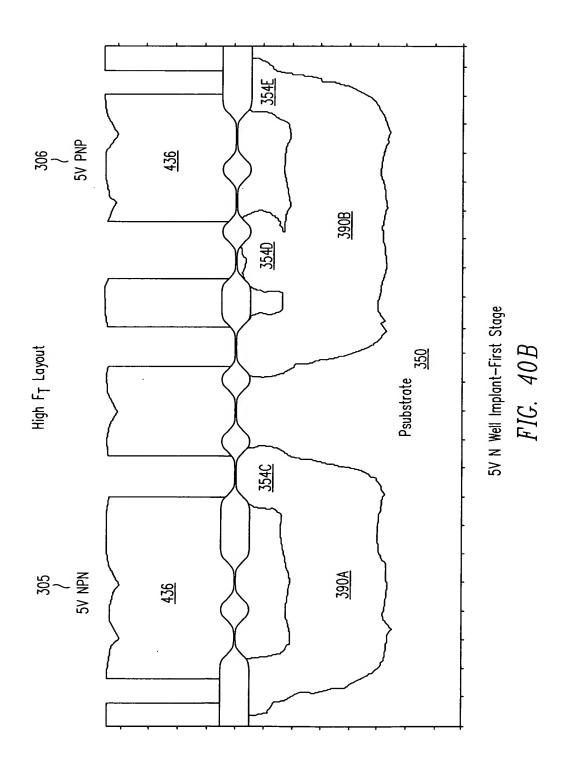


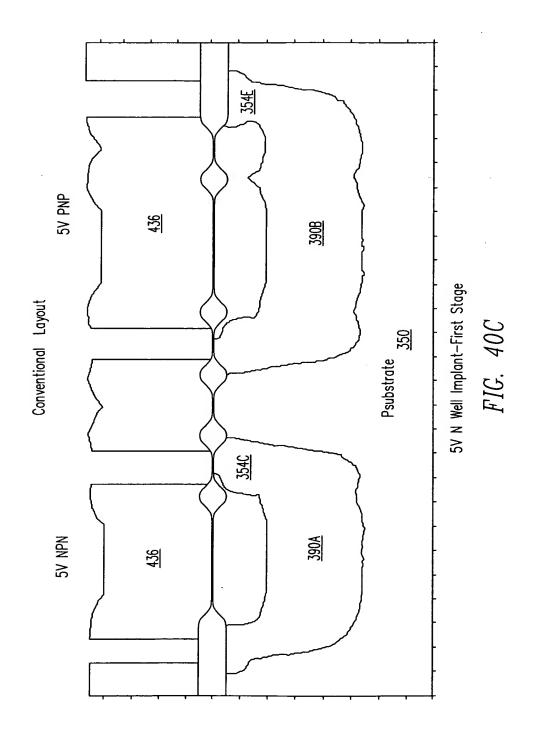


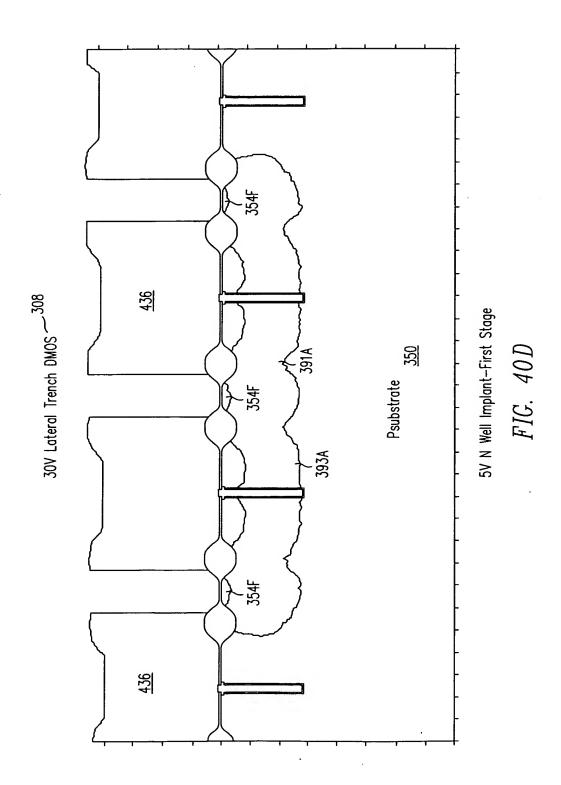


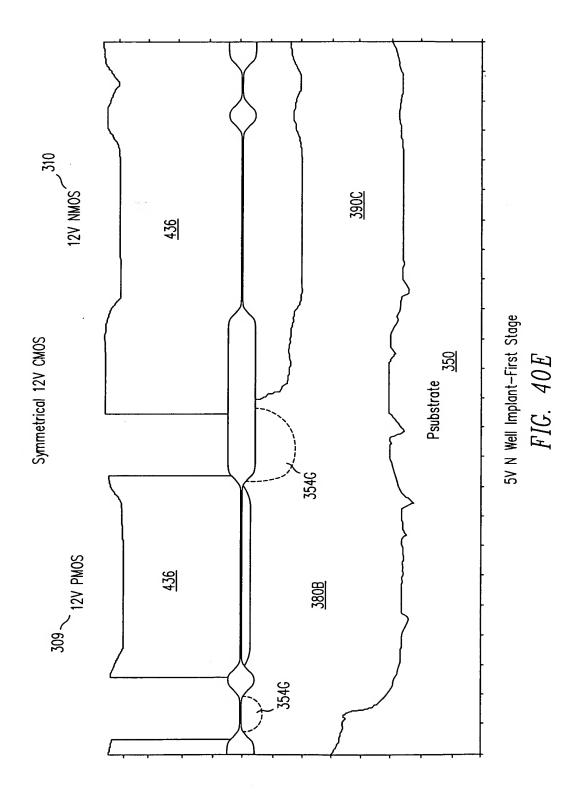


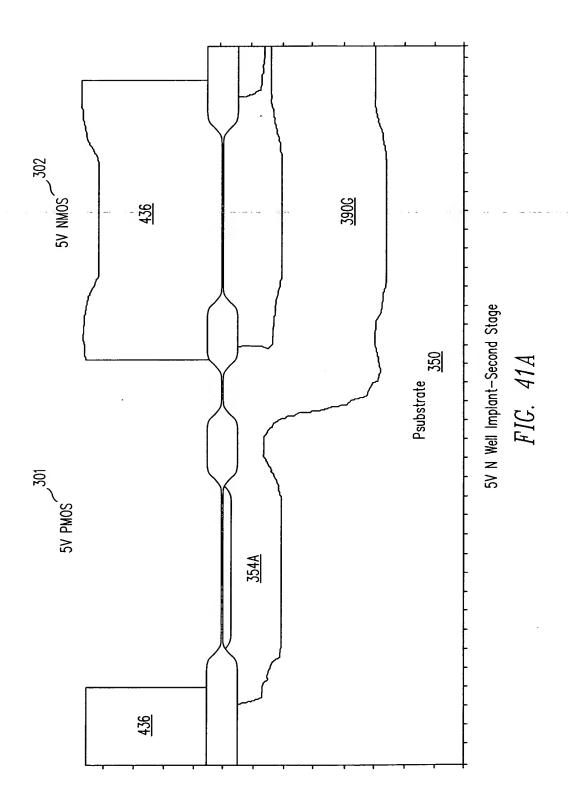
5V N Well Implant—First Stage $FIG.\ 40A$

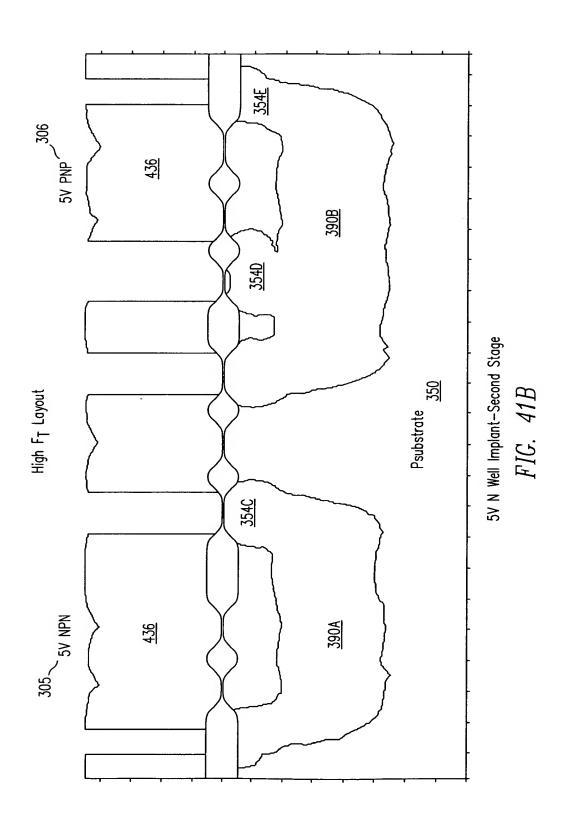


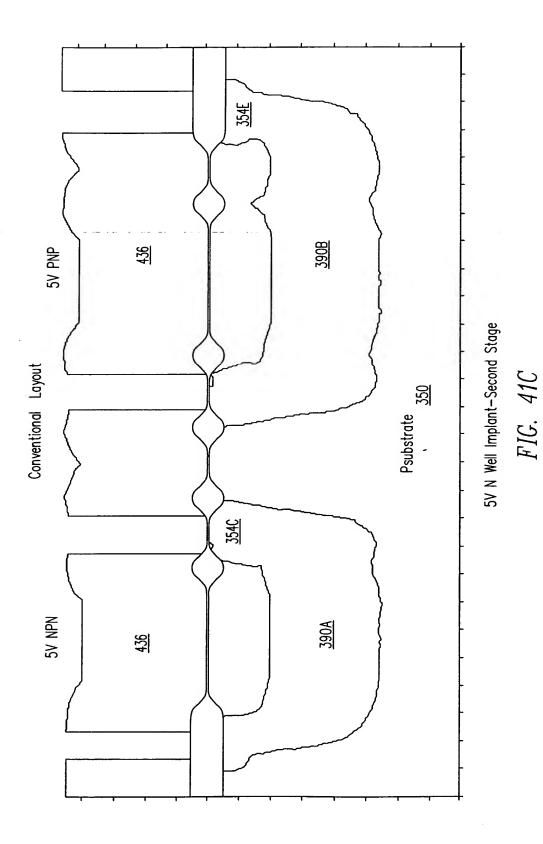


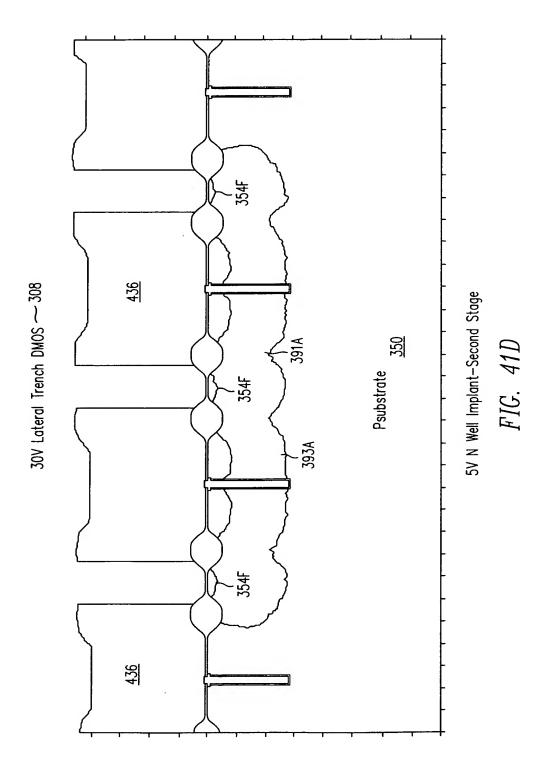


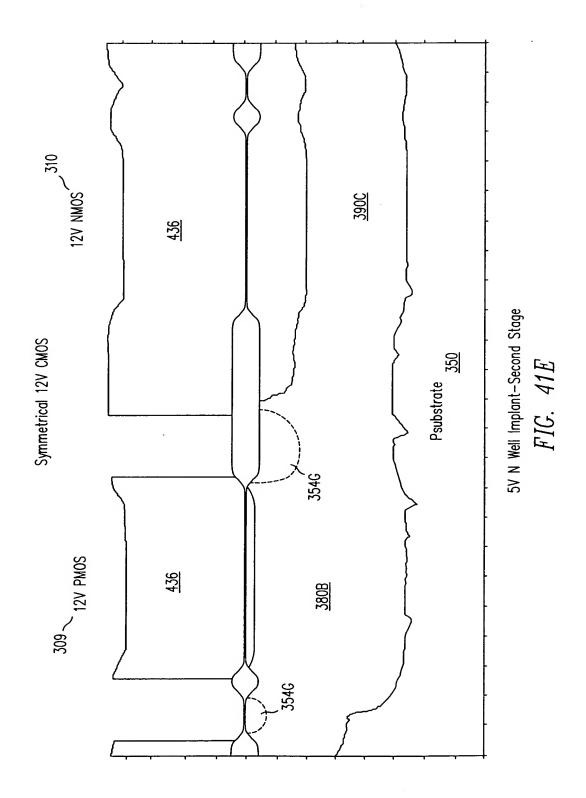


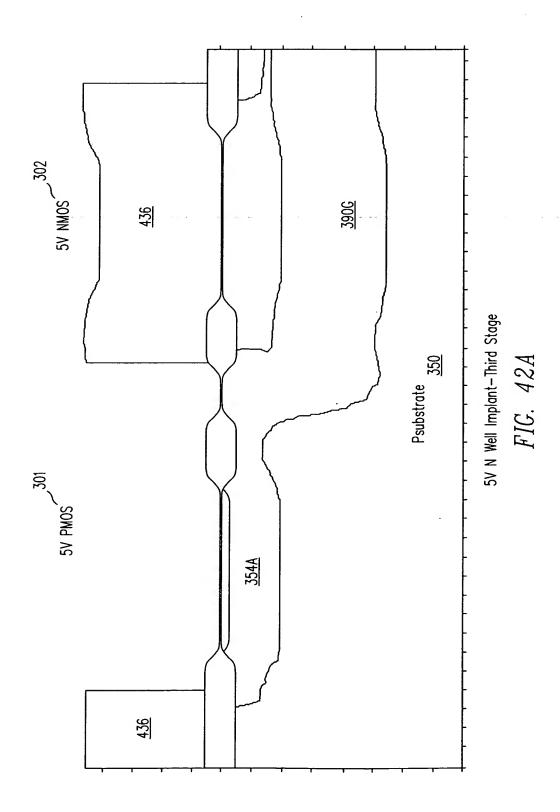


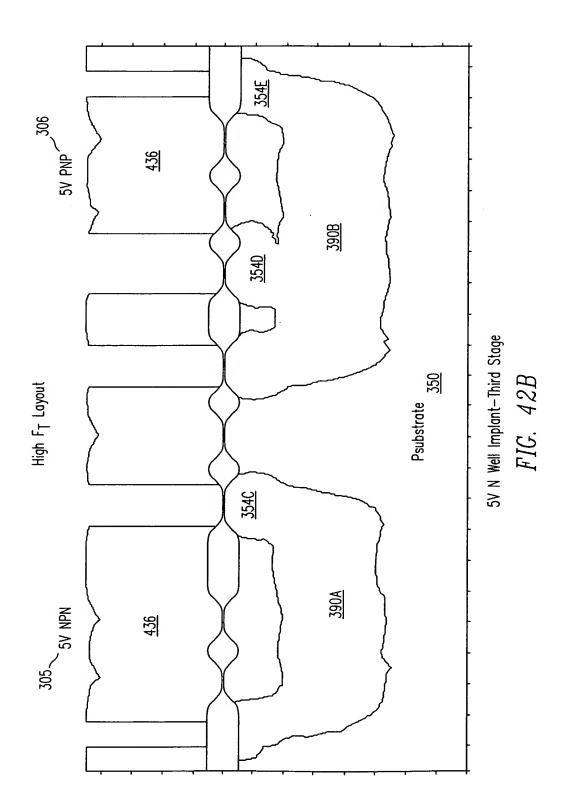


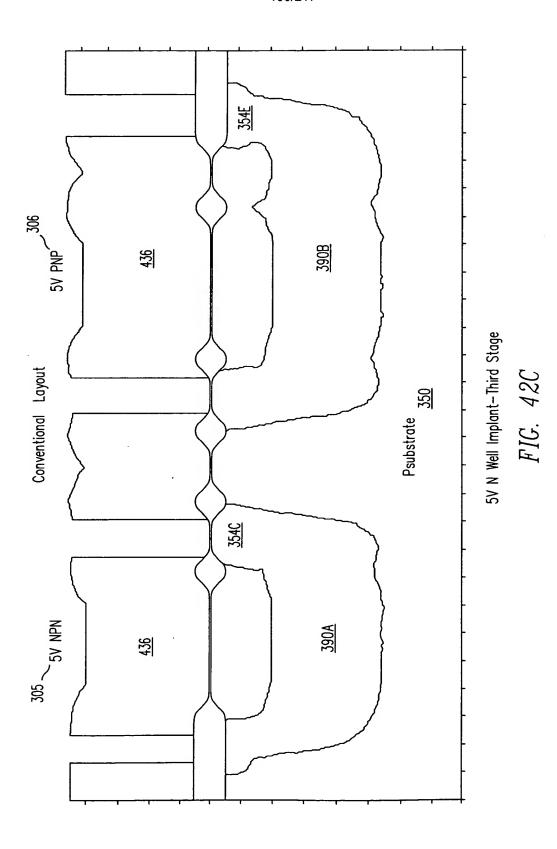


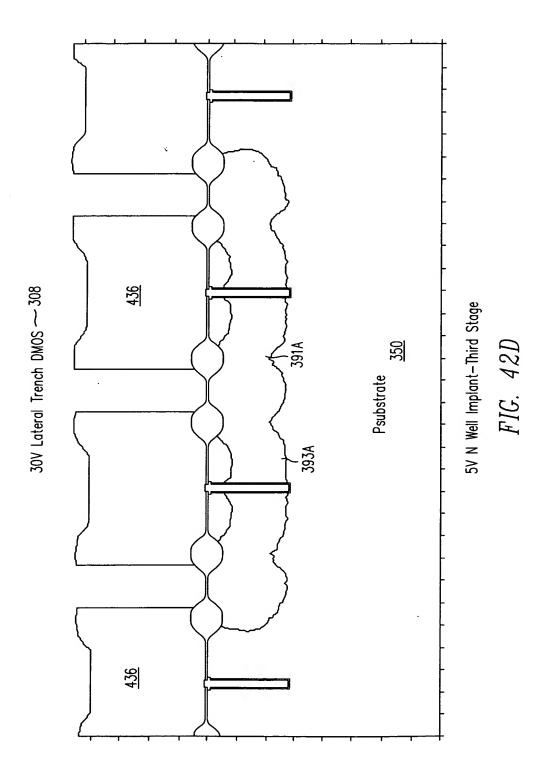


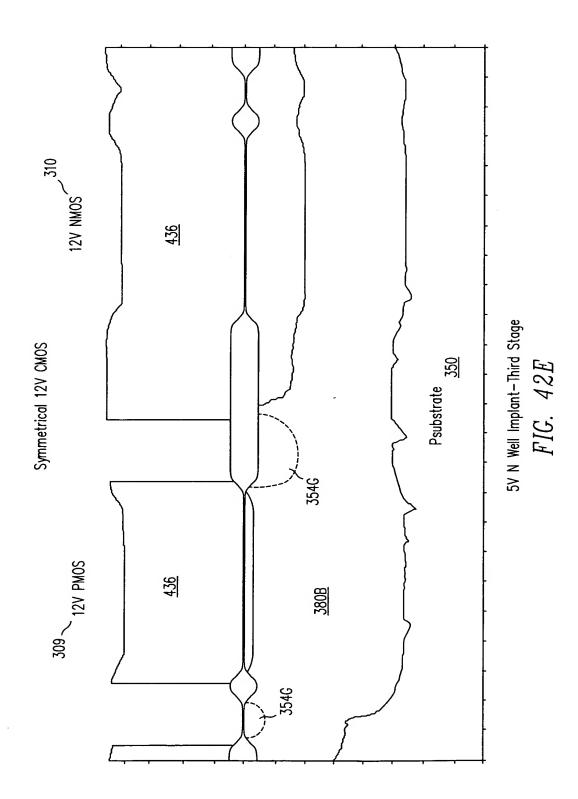


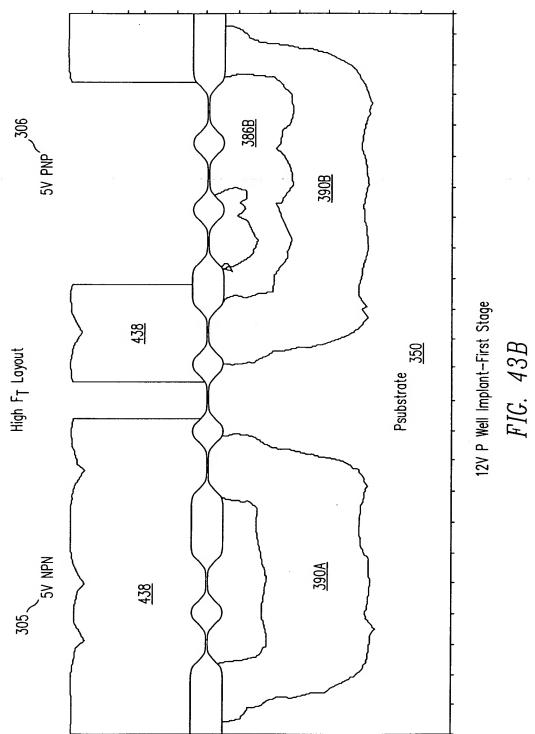


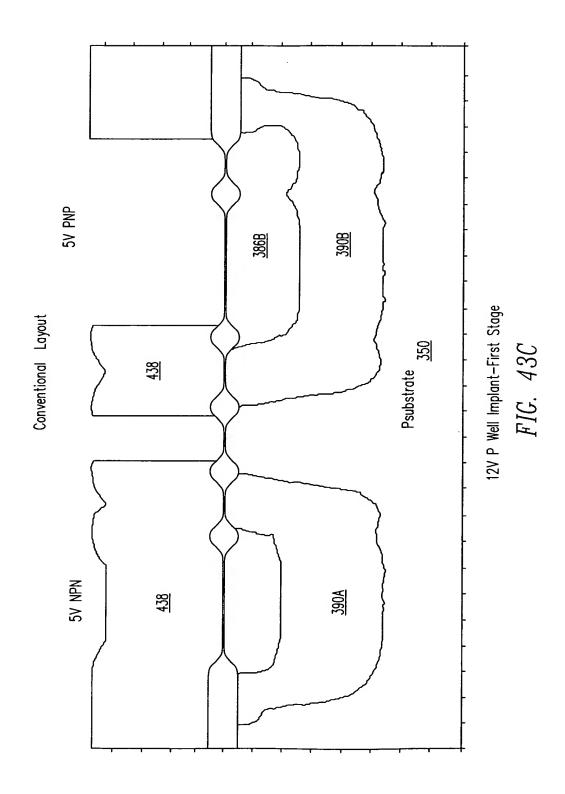


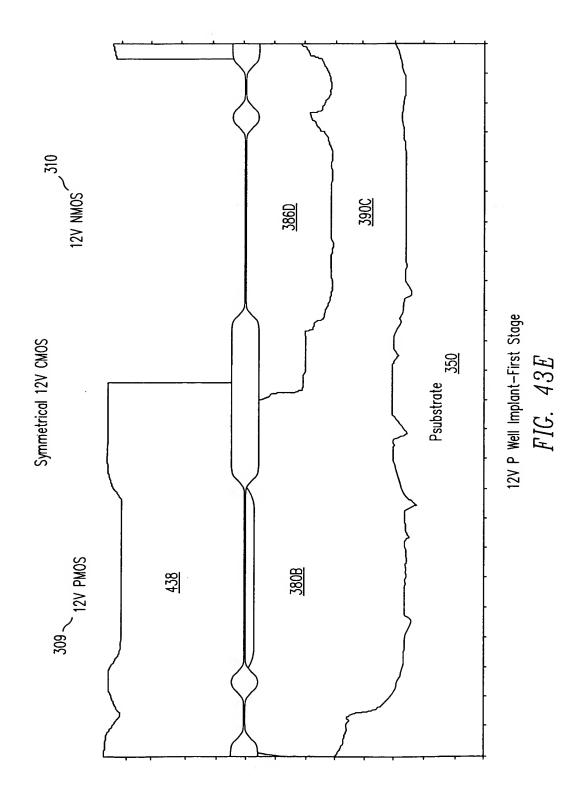


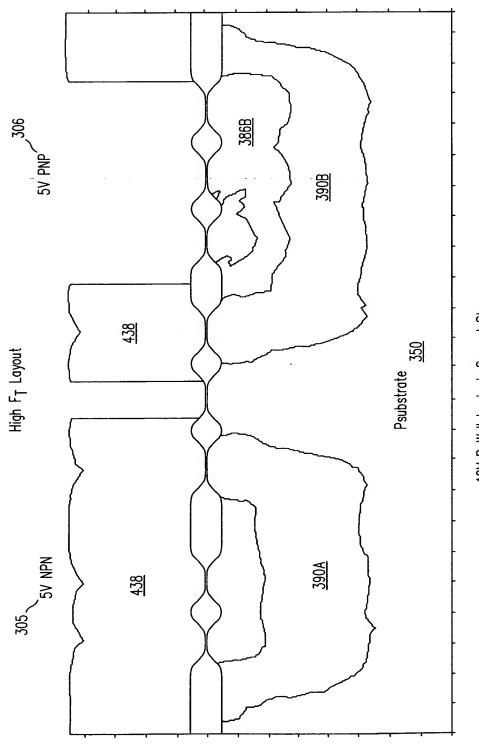




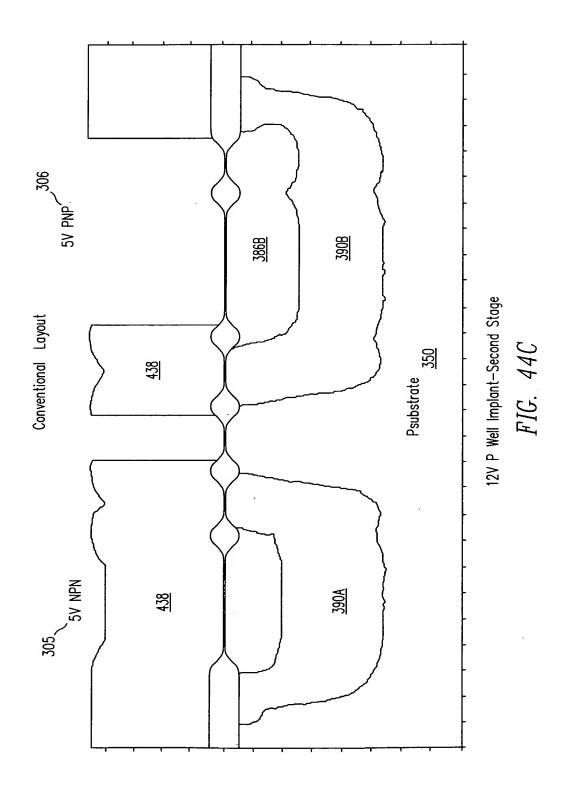


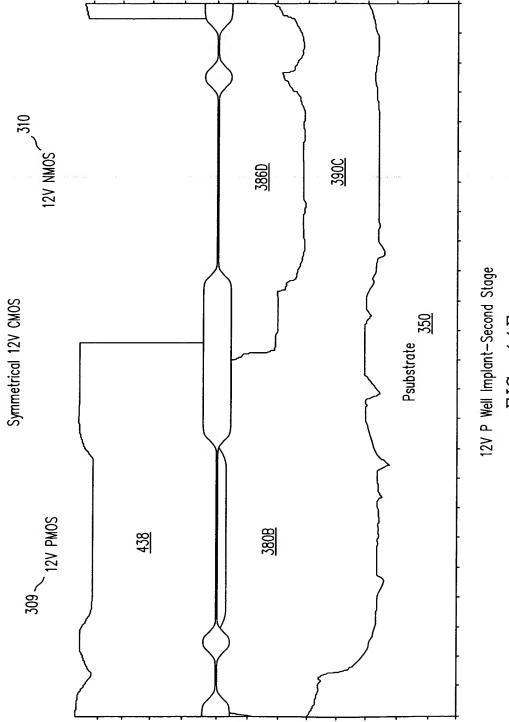




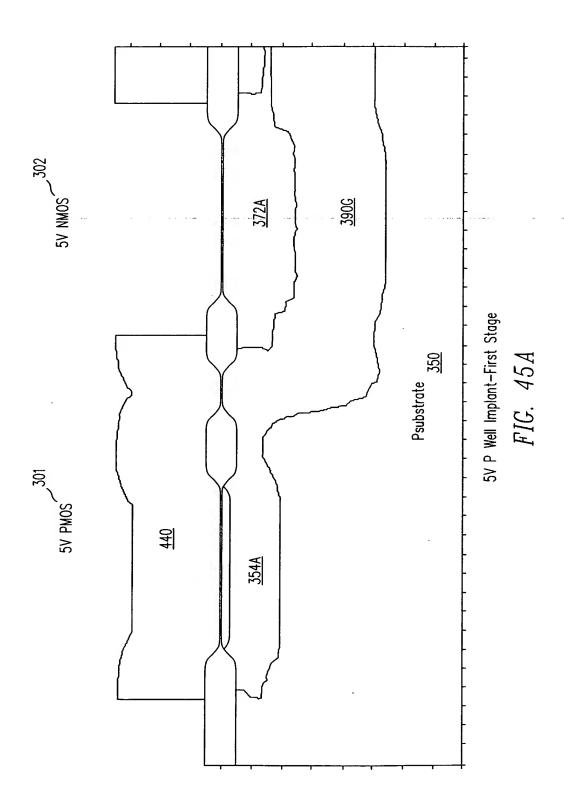


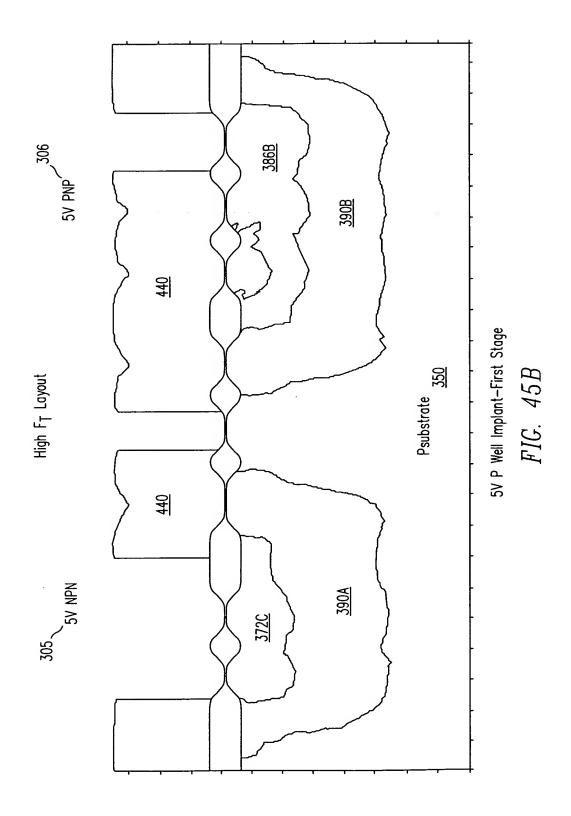
12V P Well Implant—Second Stage FIG.~44B

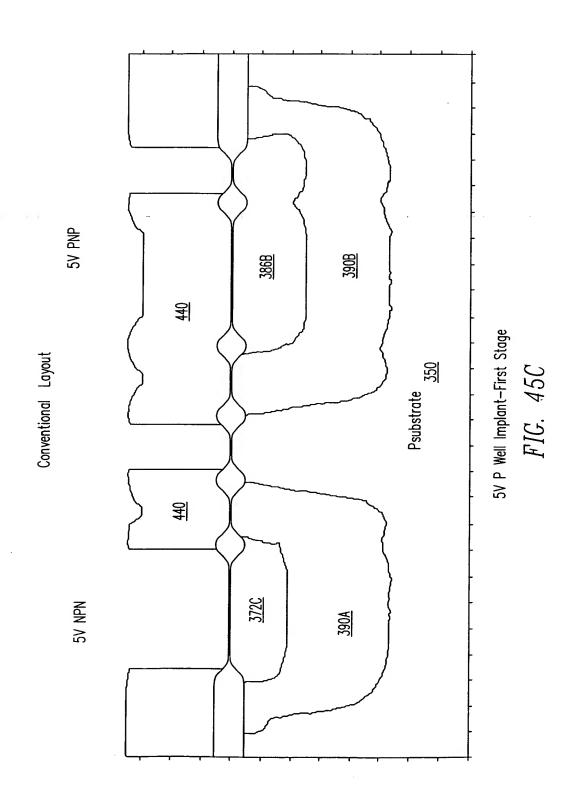


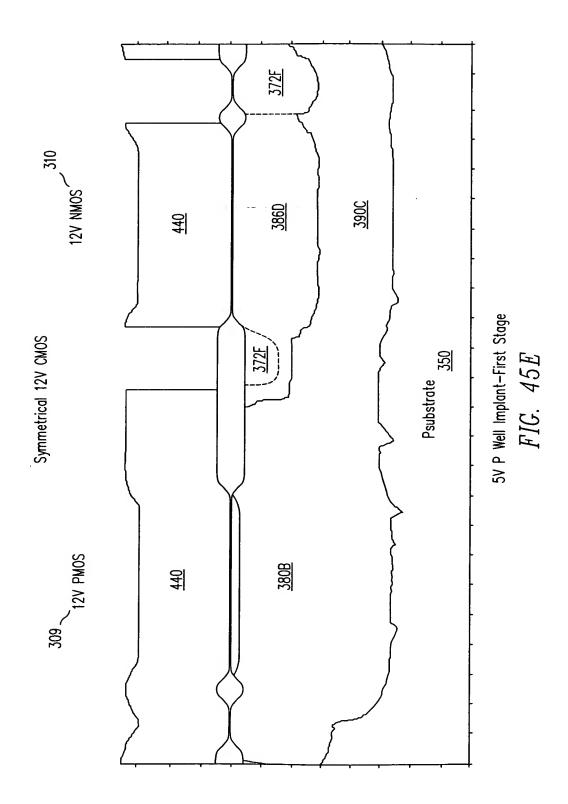


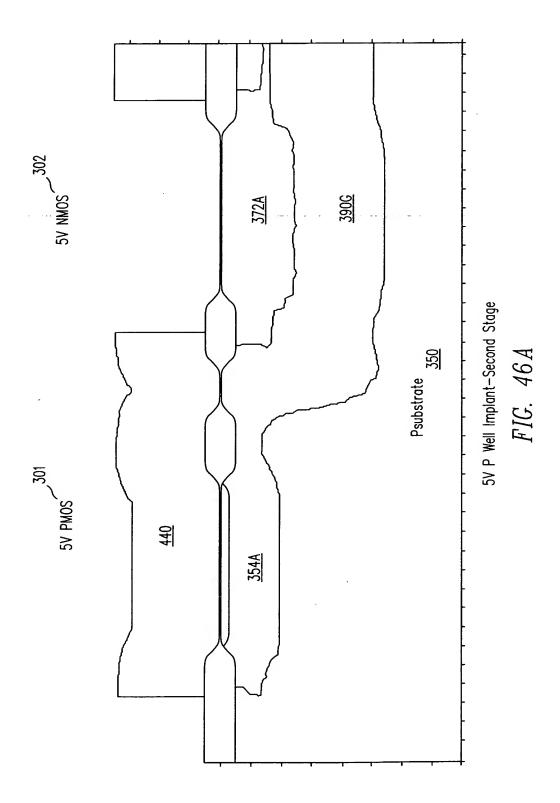
12V P Well implant—Second Stage $FIG.\ 44E$

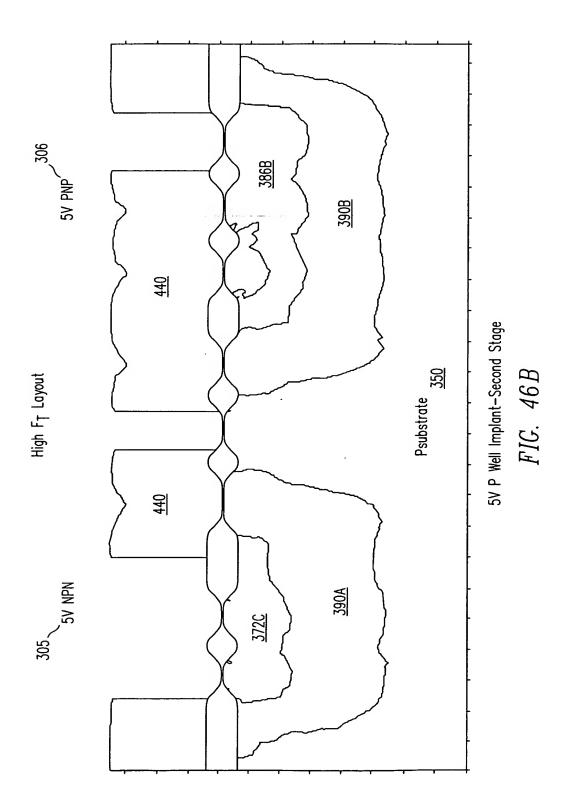


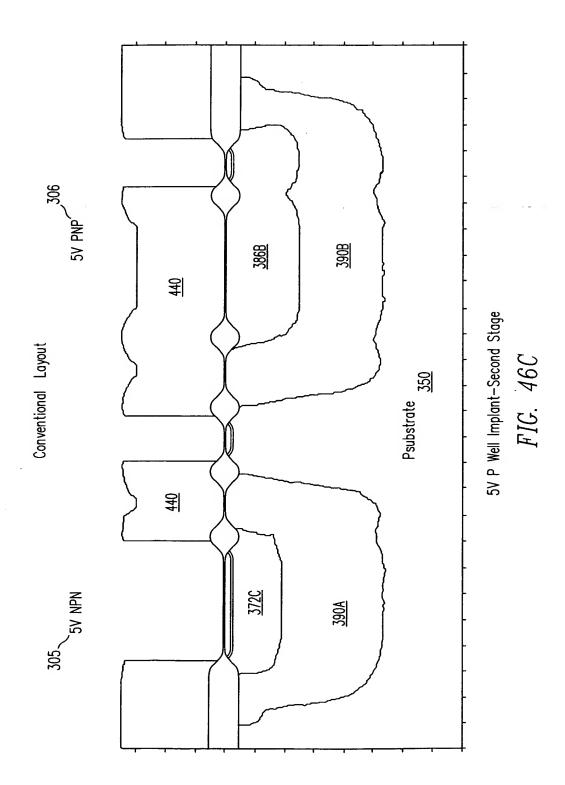


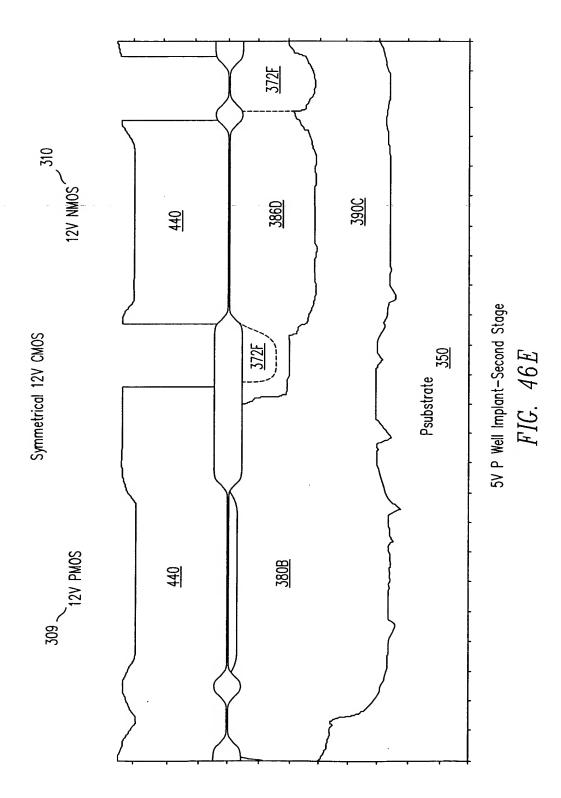


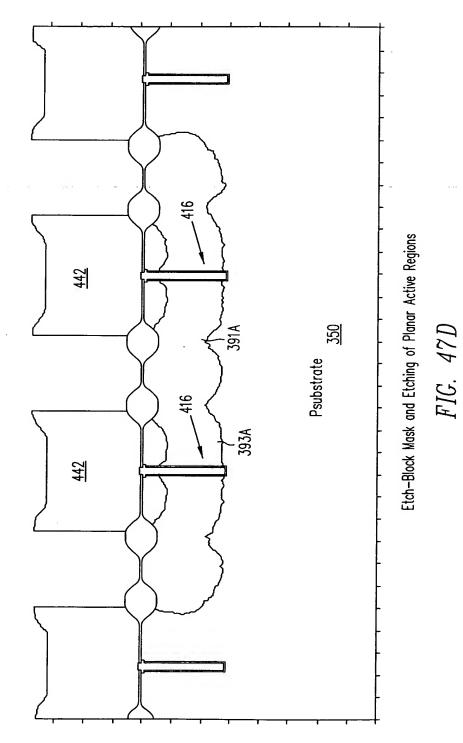




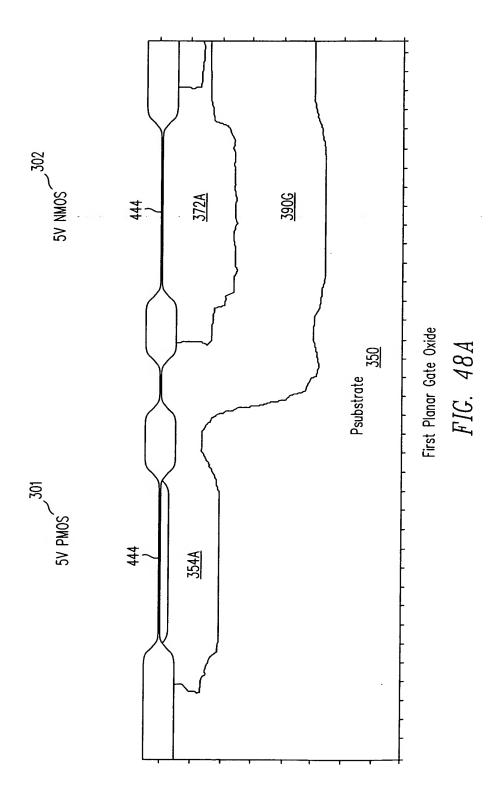


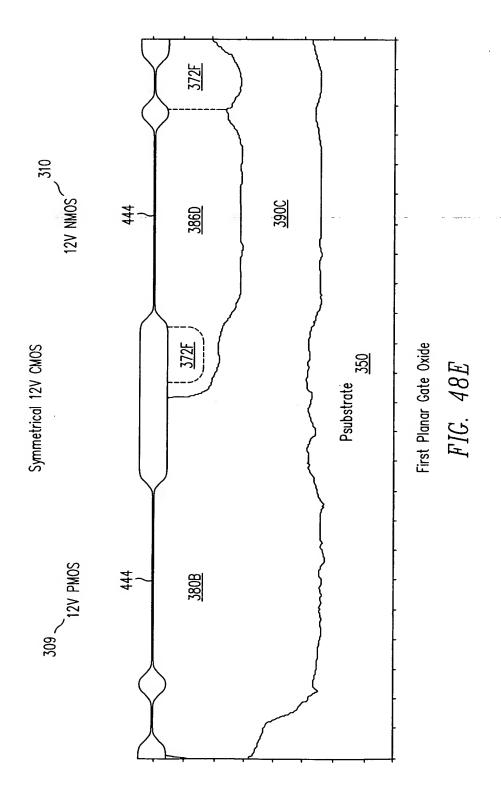


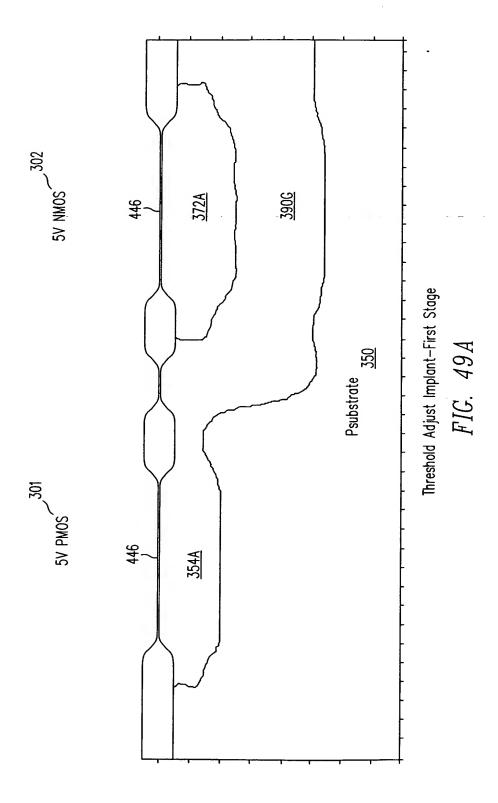


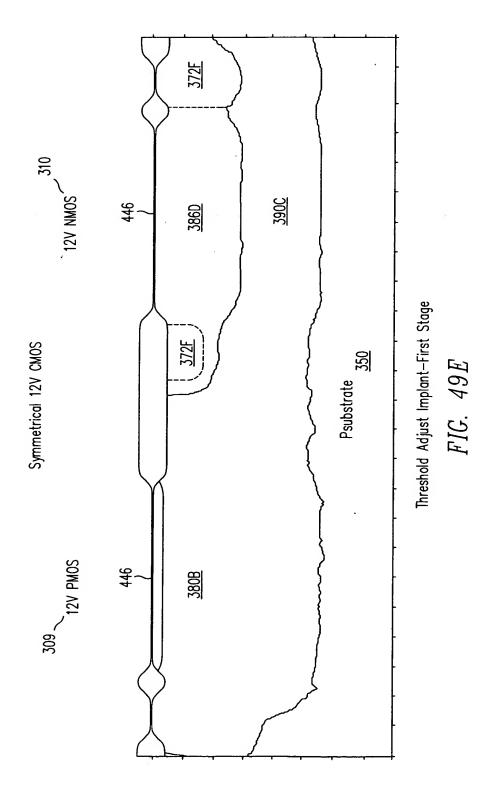


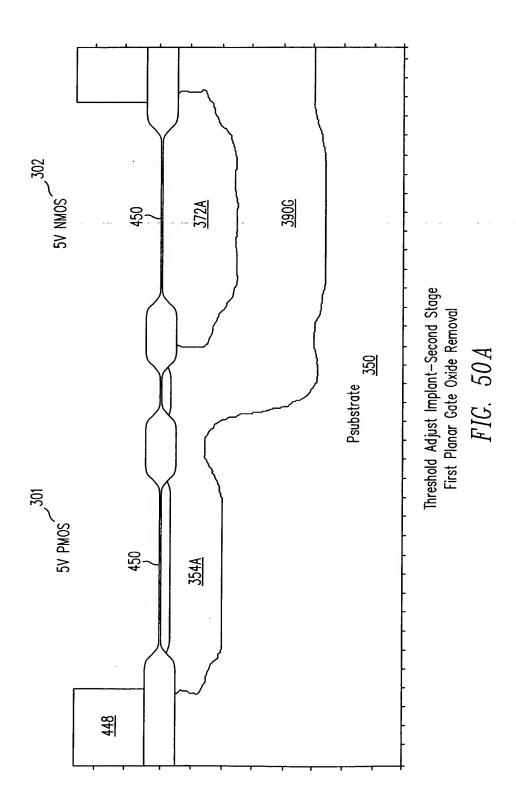
30V Lateral Trench DMOS — 308

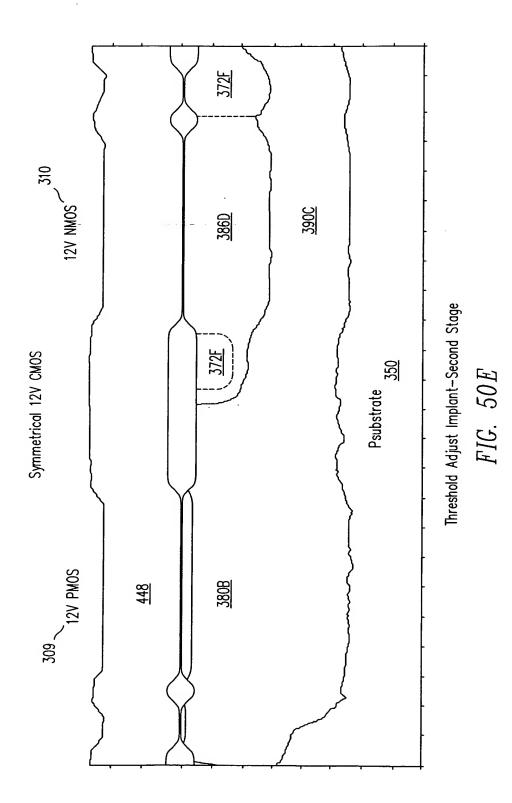


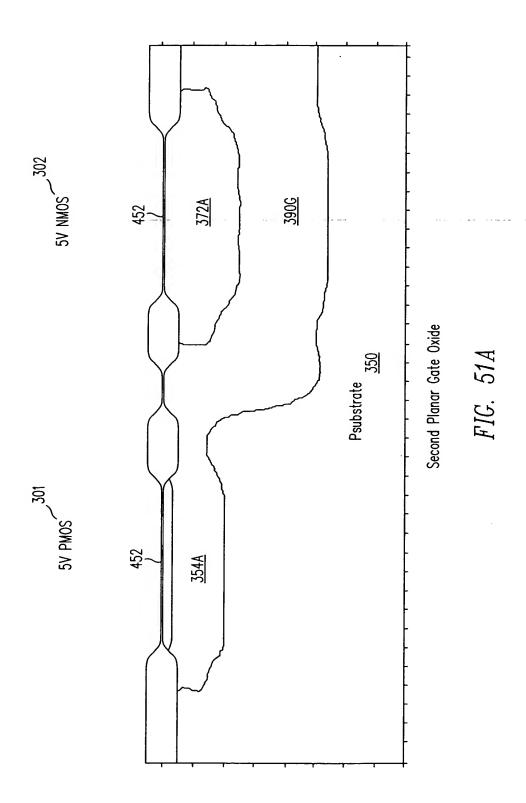


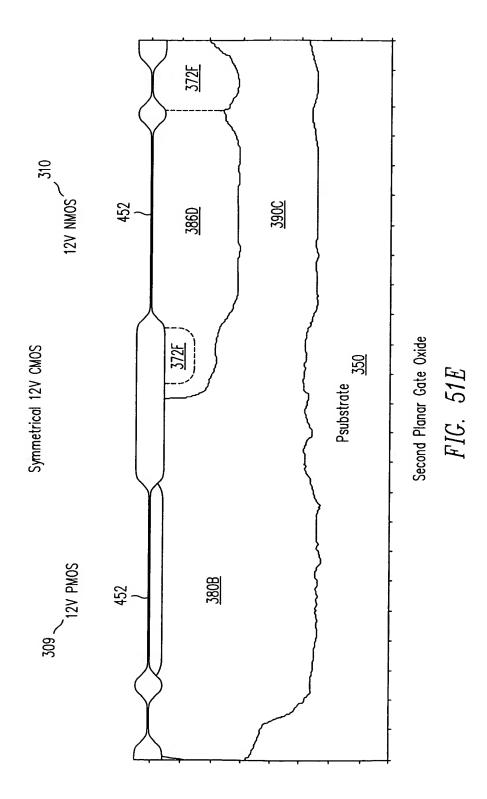


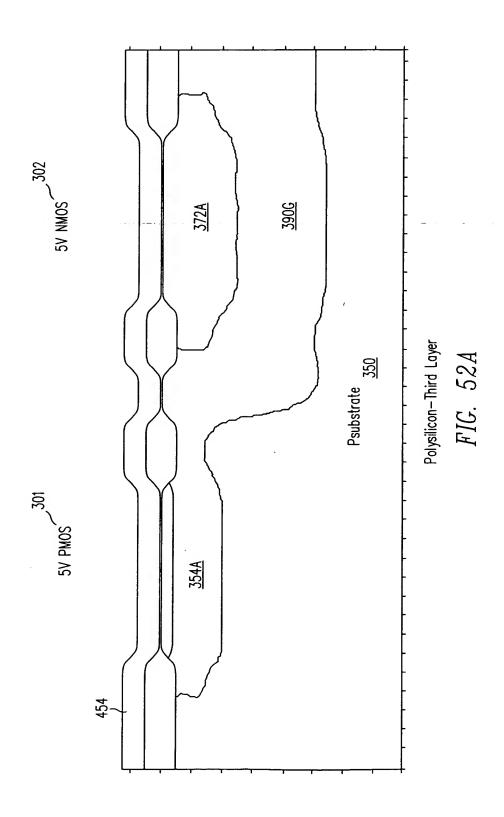


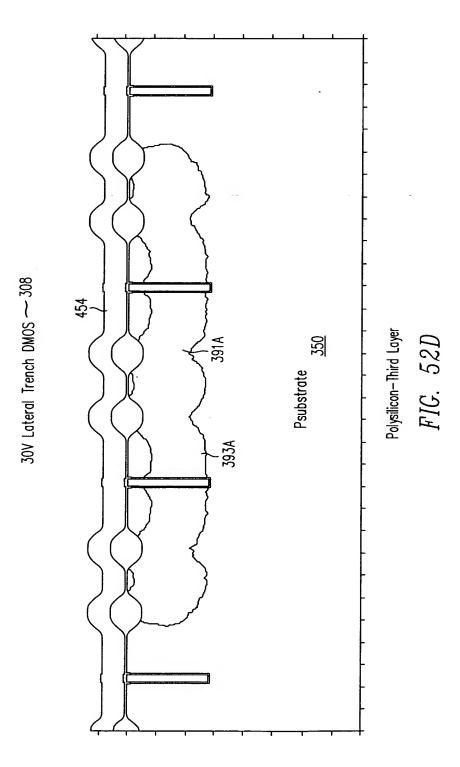


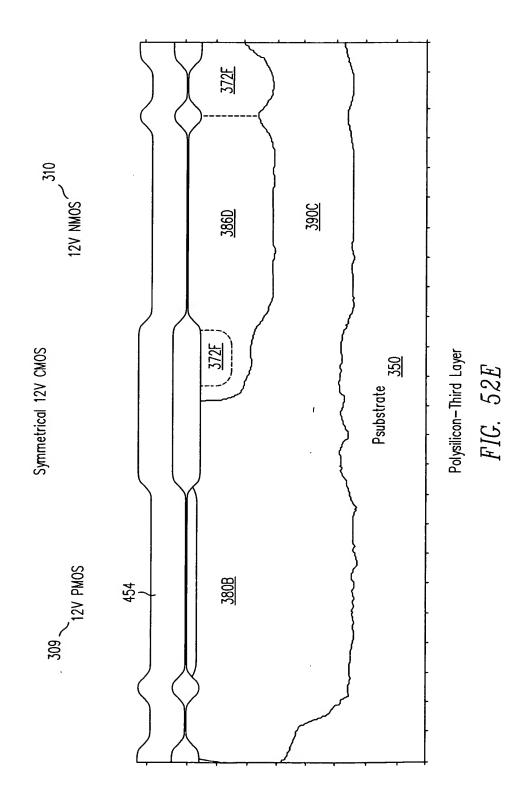


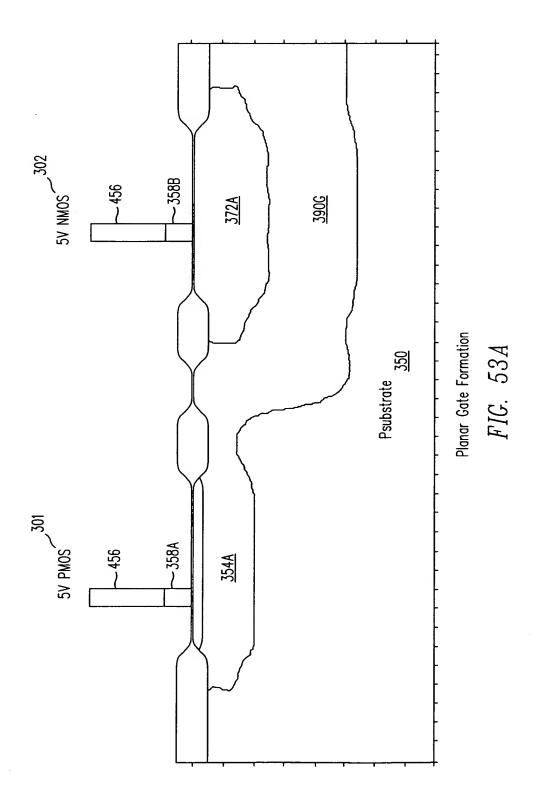


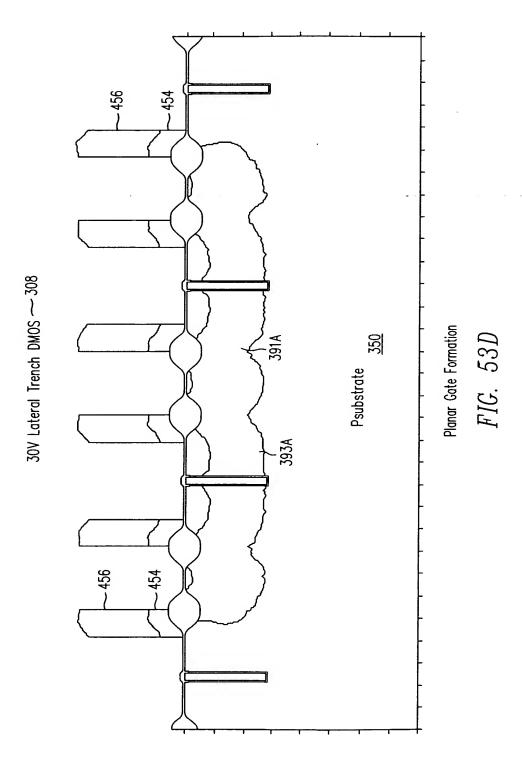


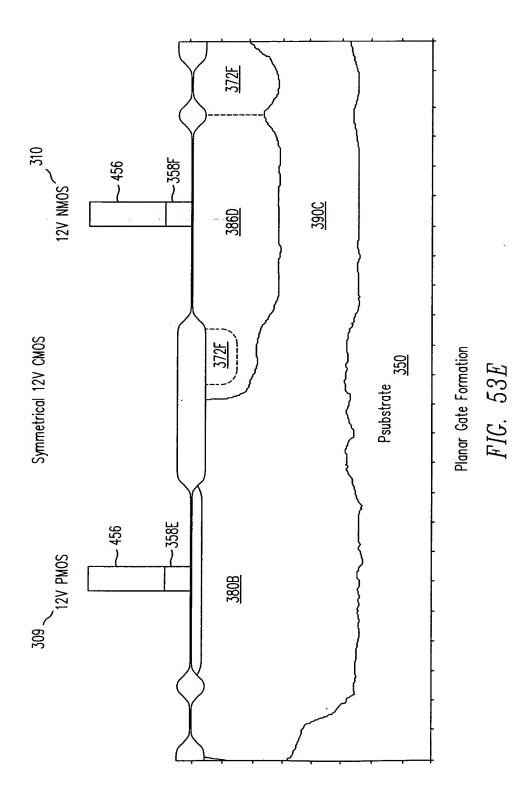


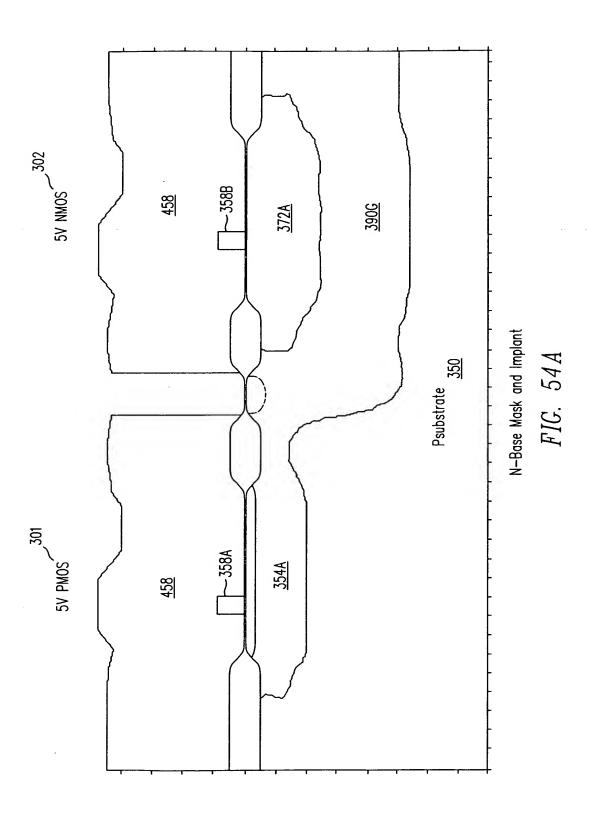


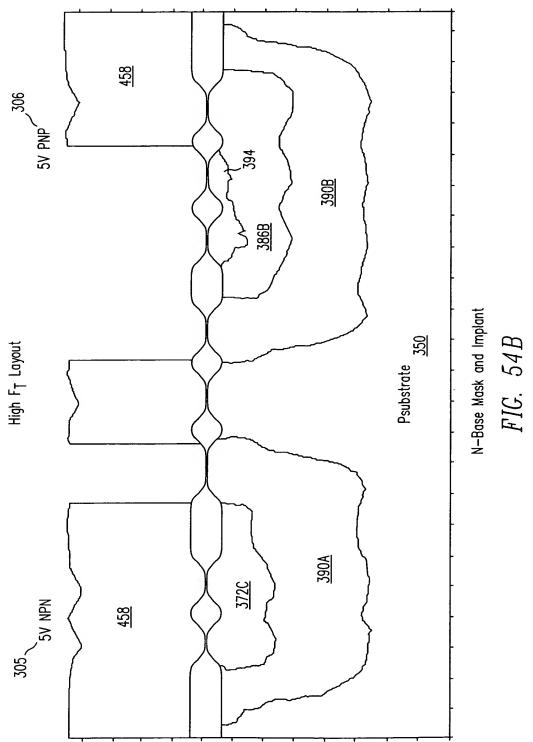


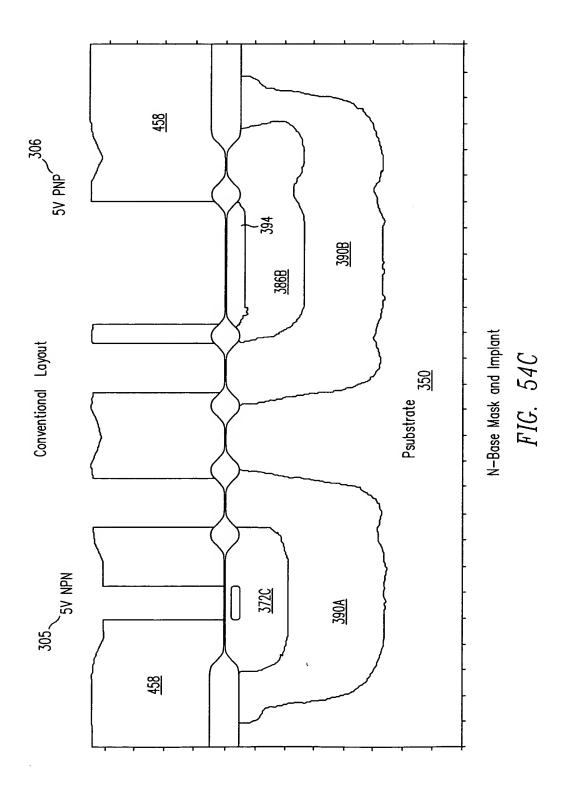


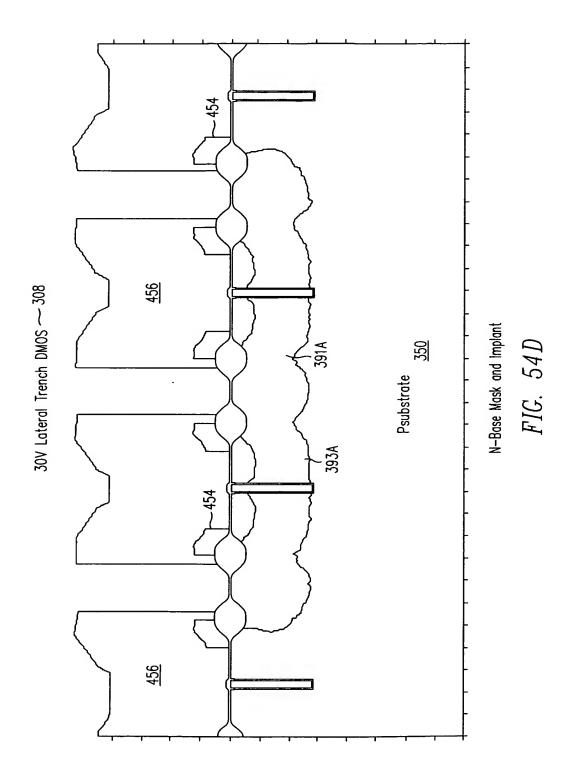


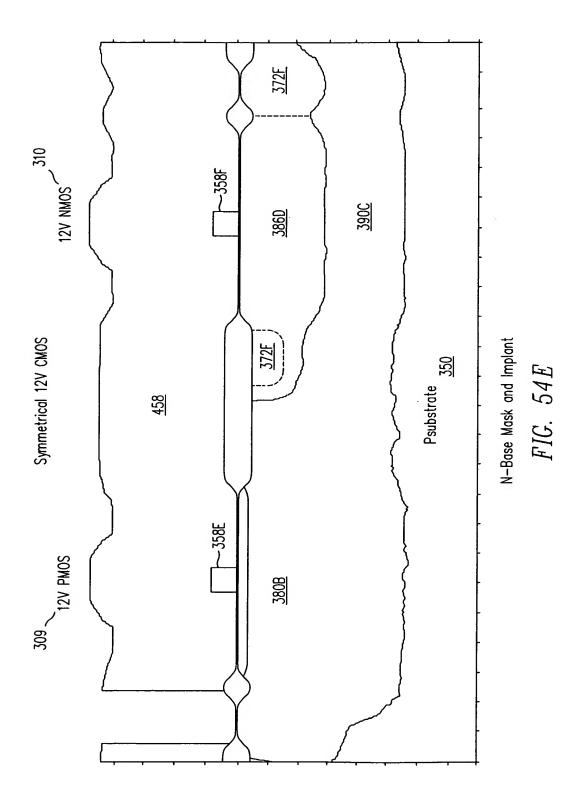


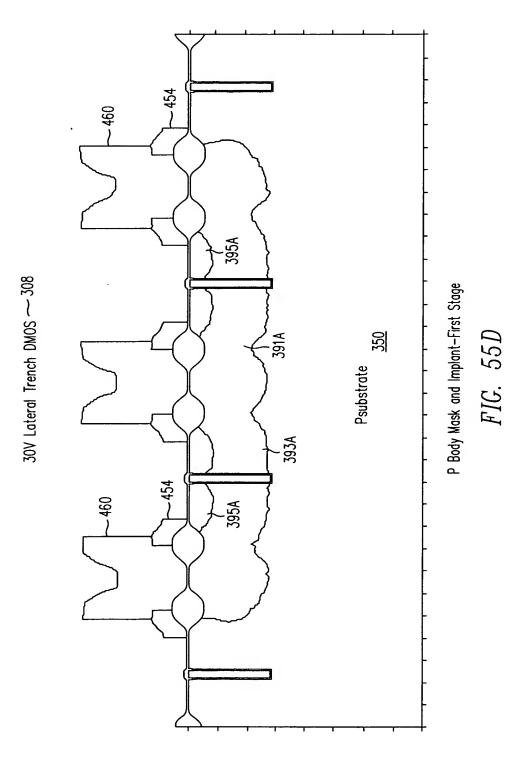


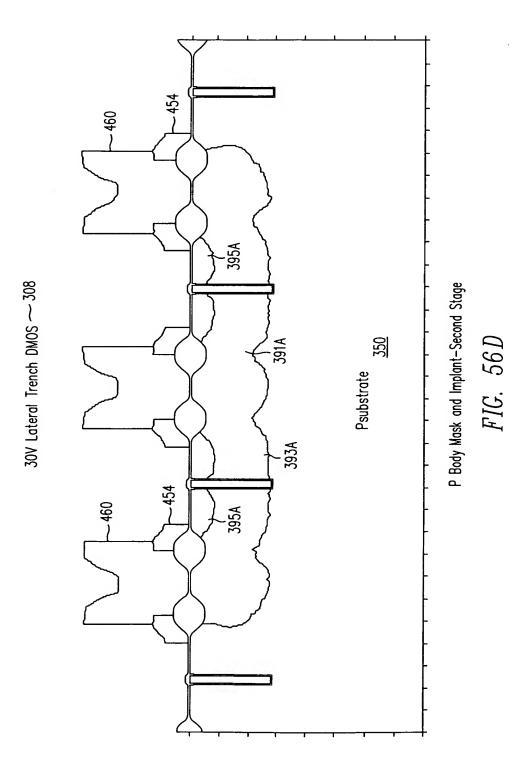


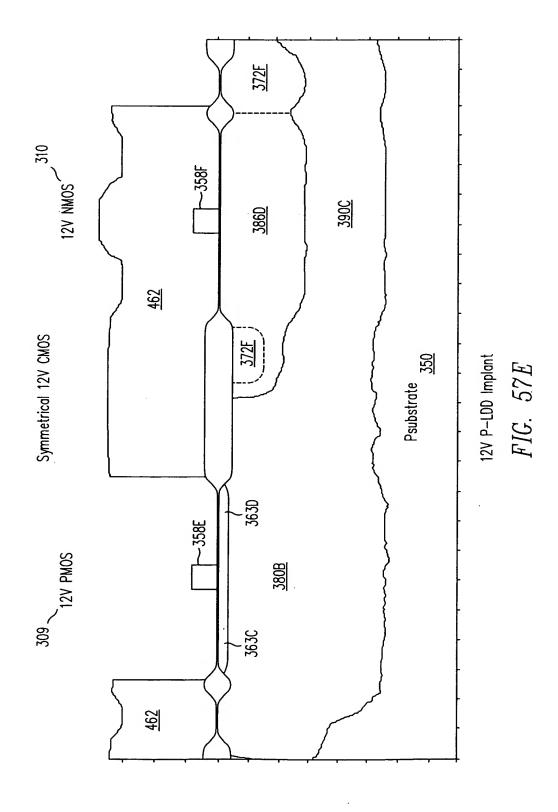


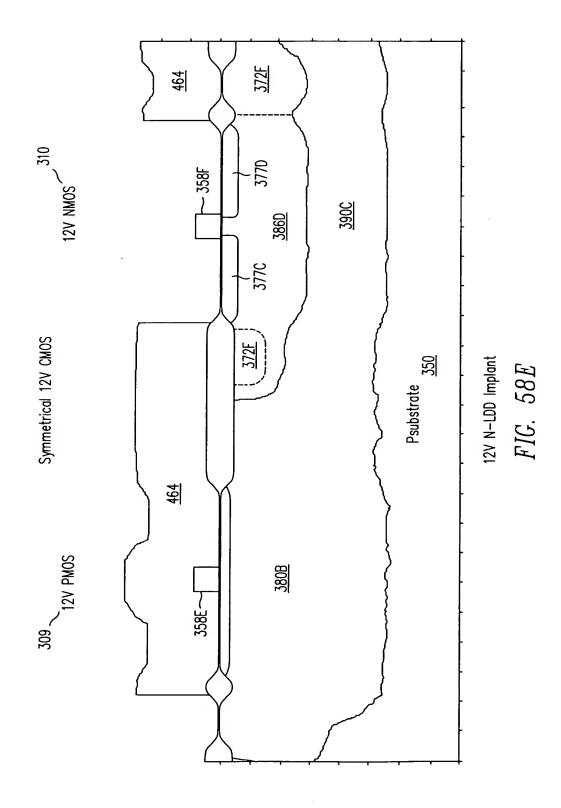


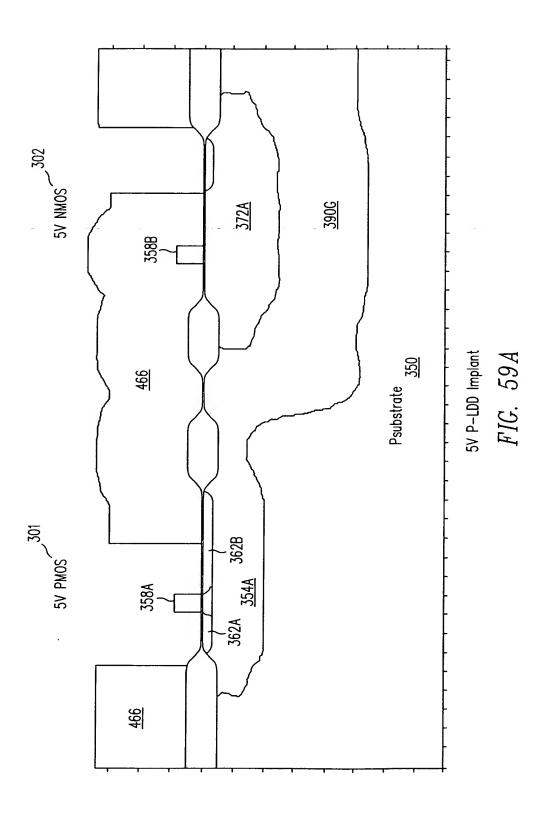


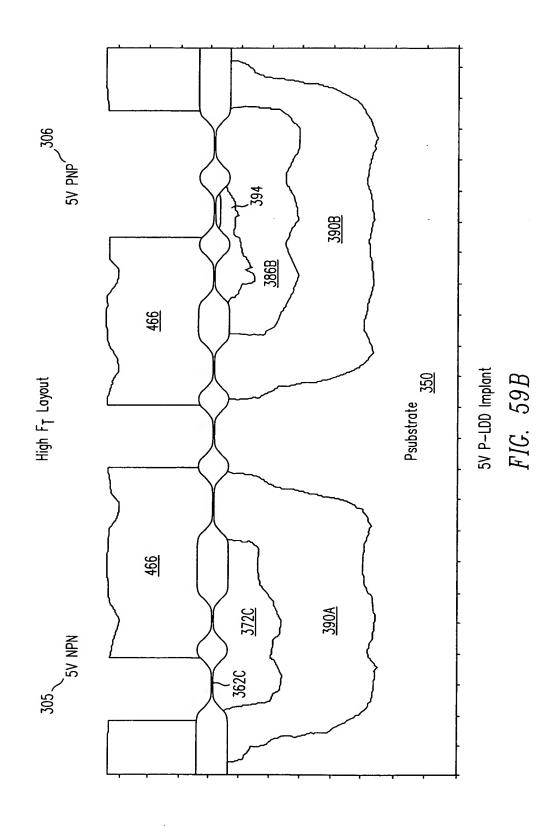


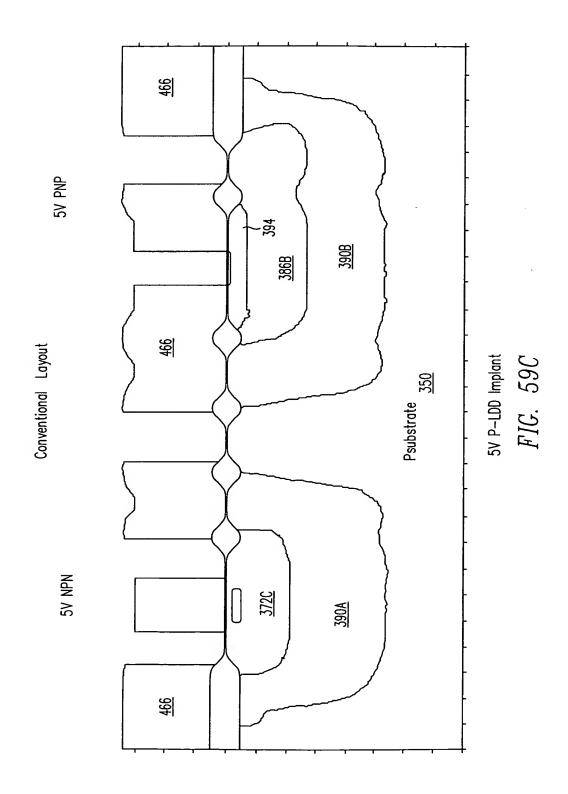


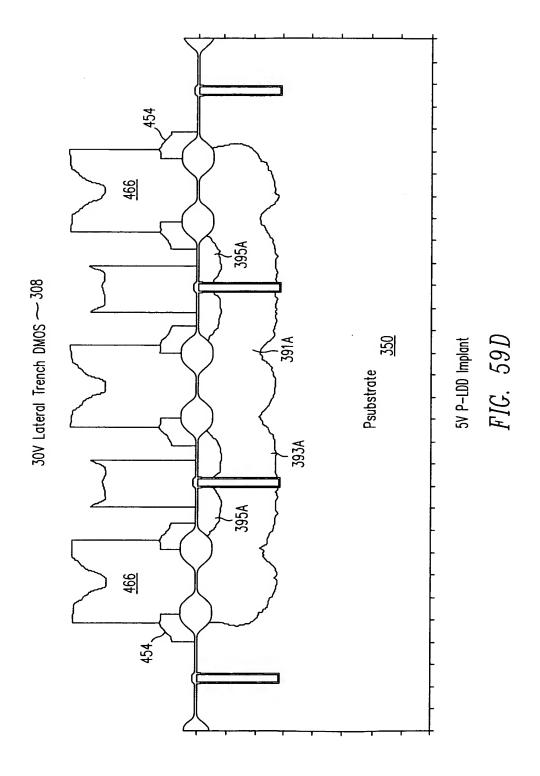


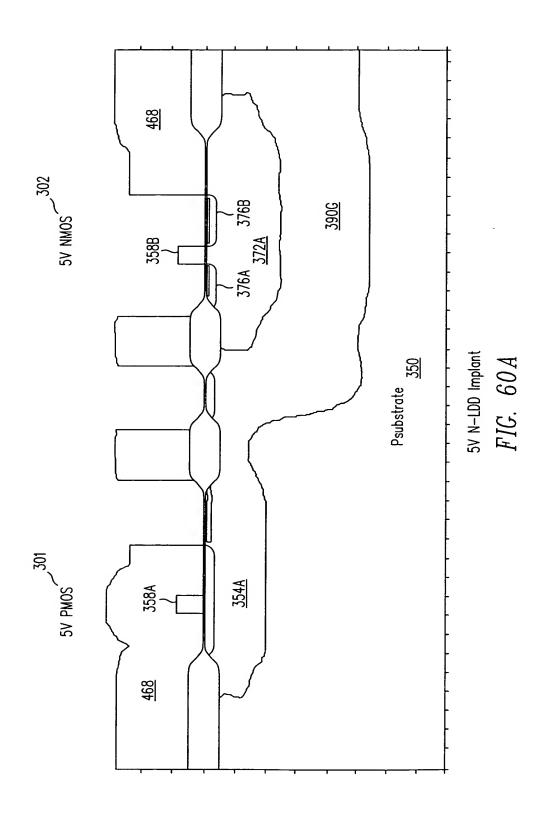


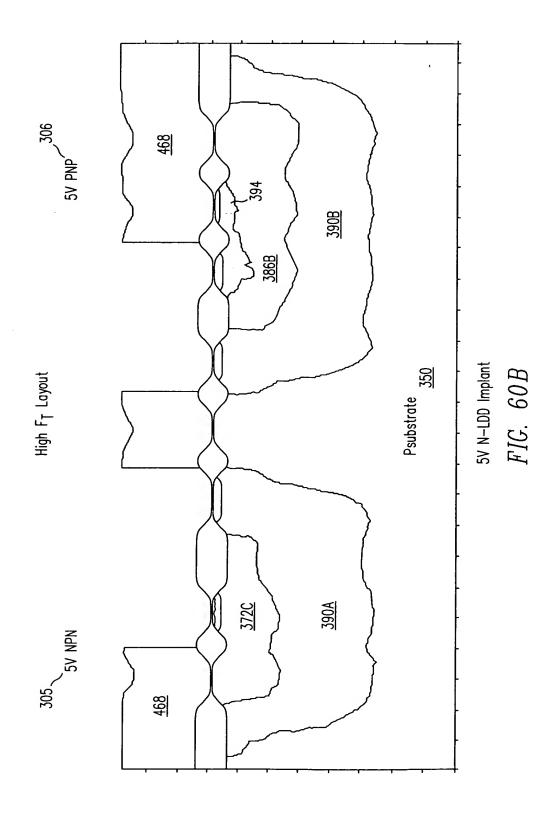


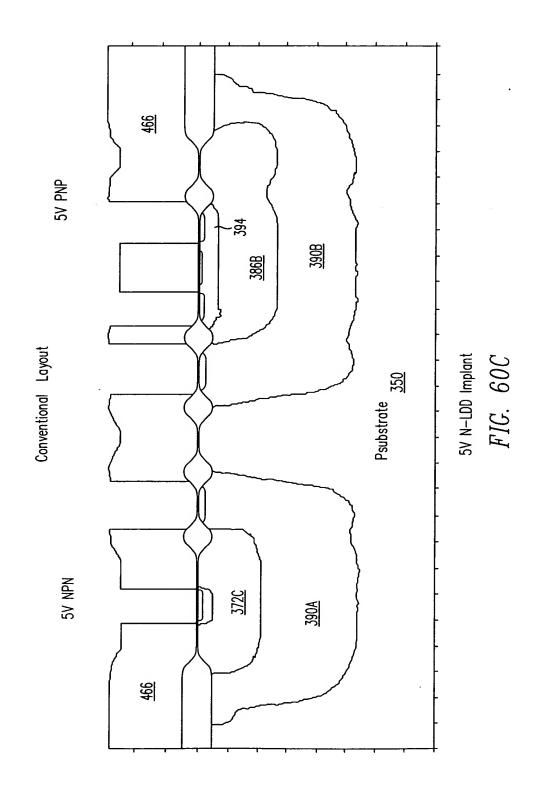


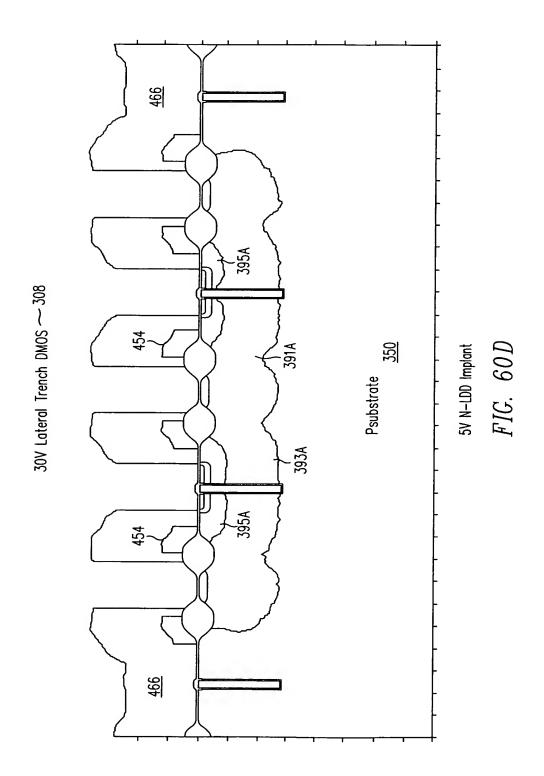


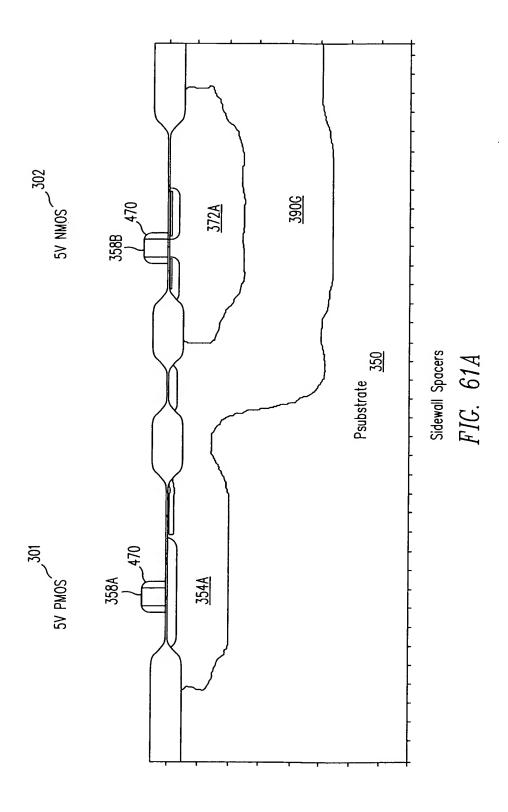


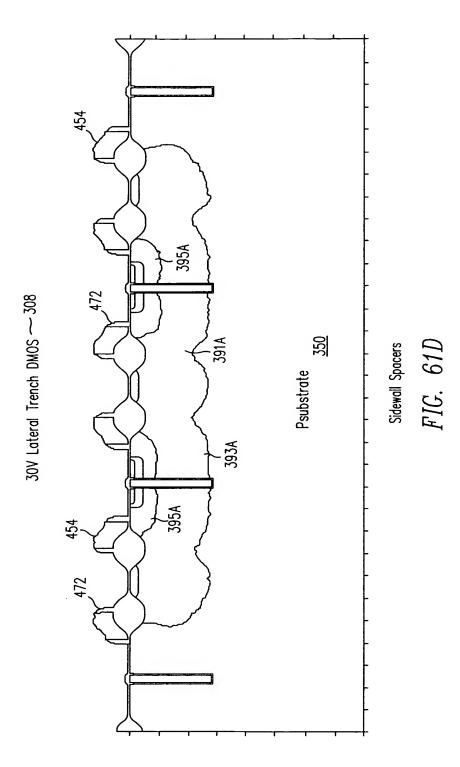


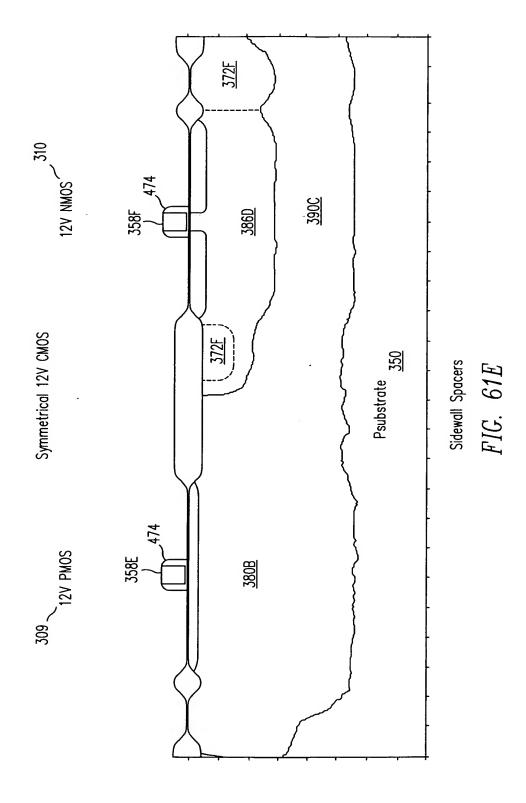


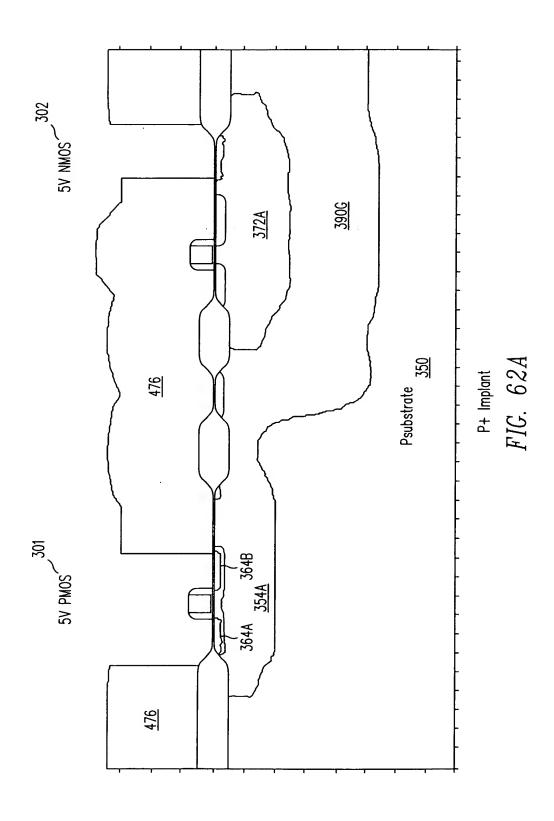


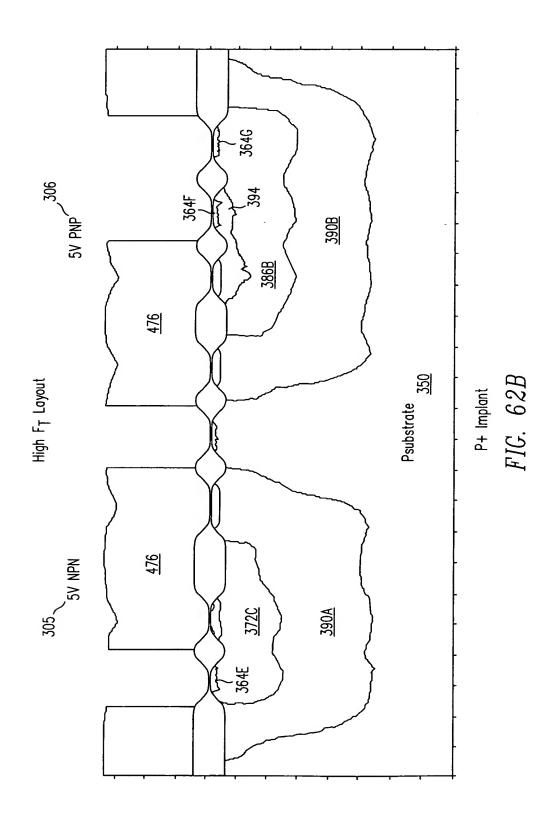


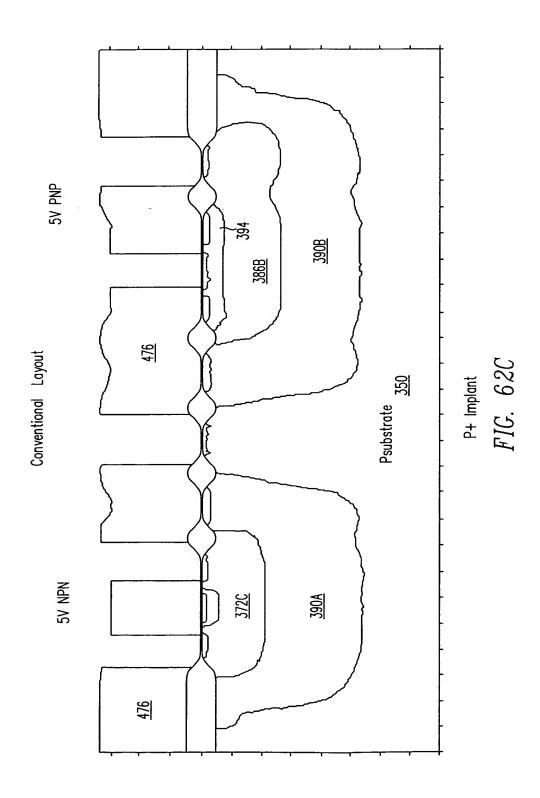


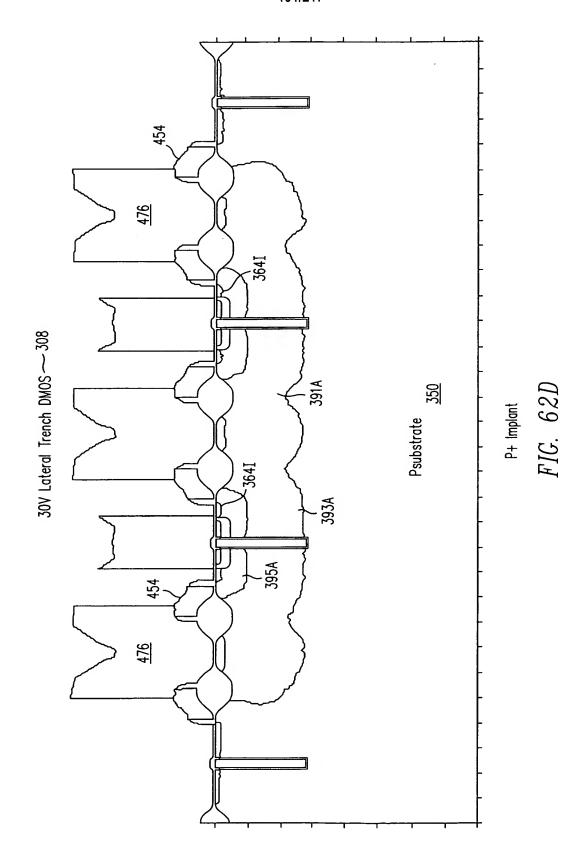


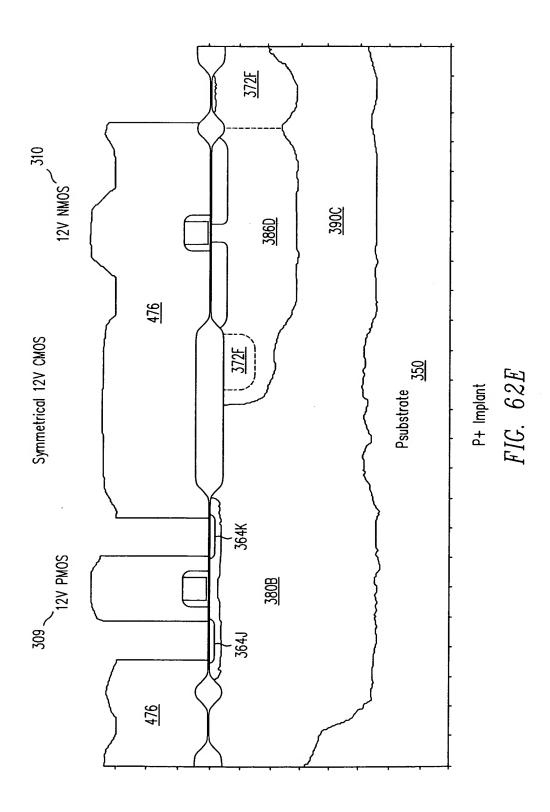


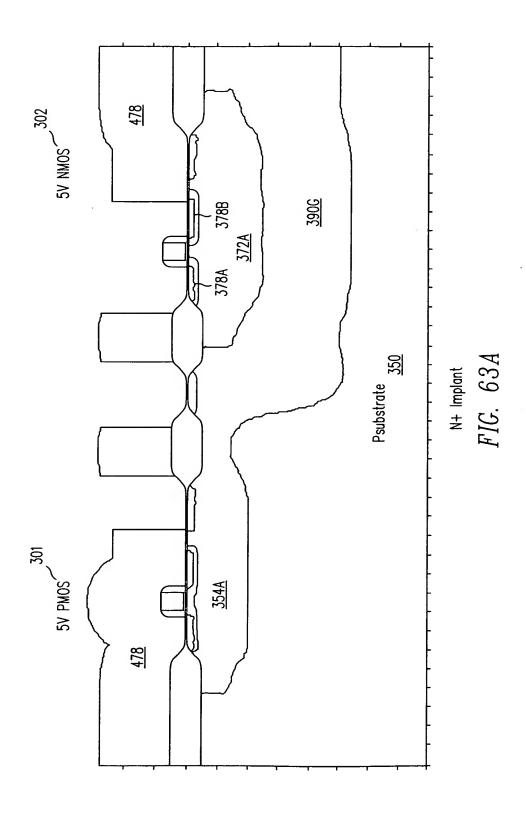


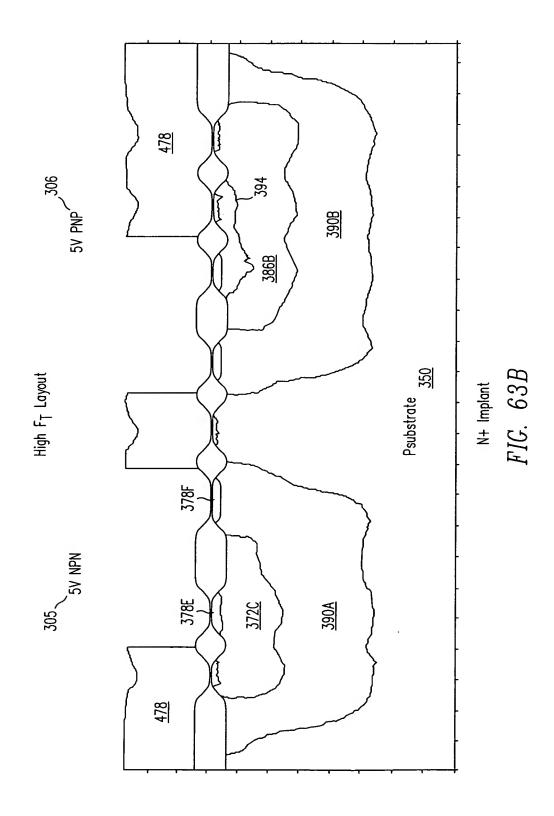


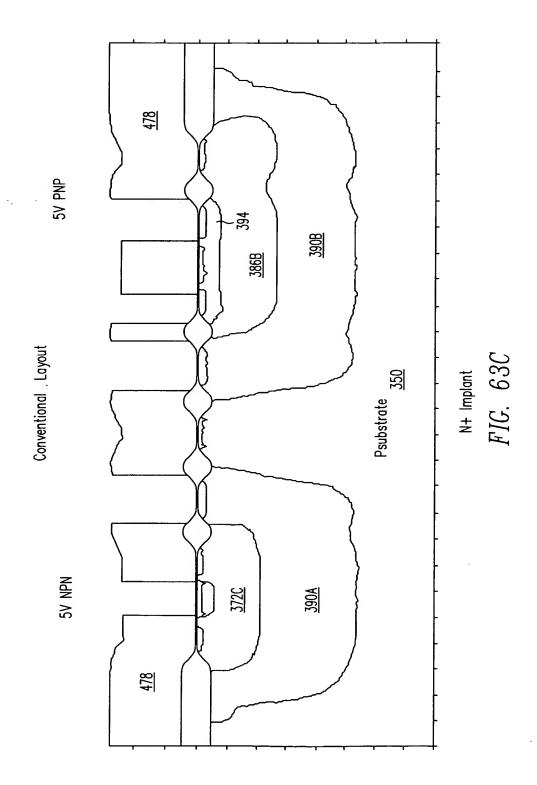


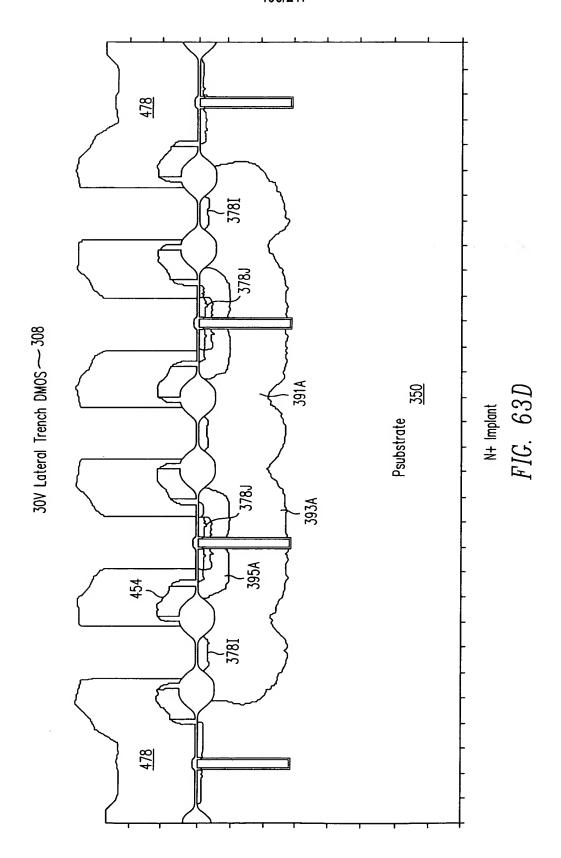


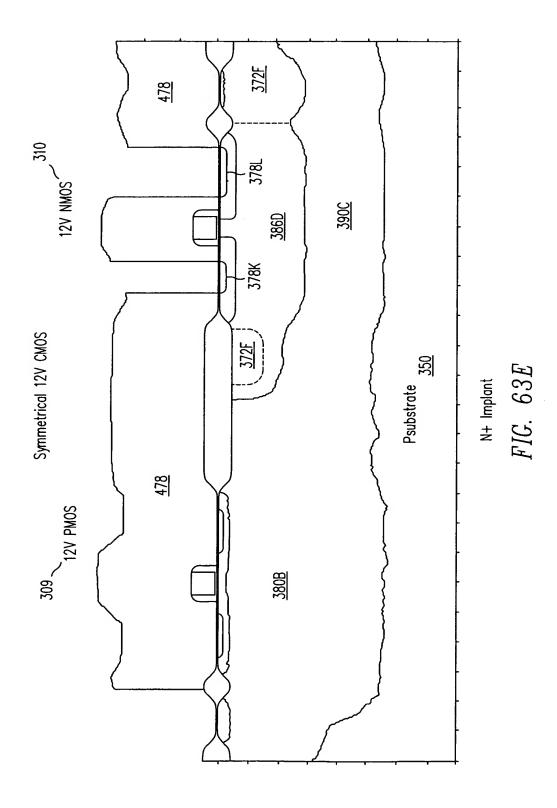


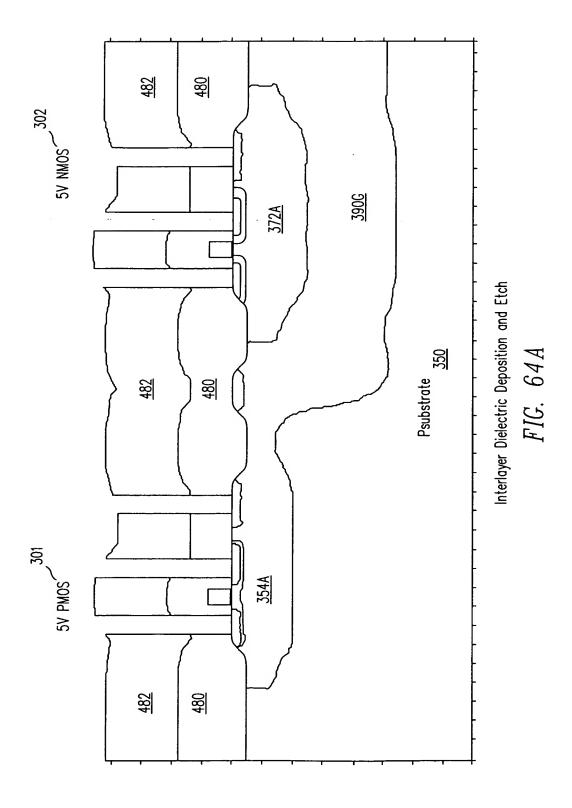


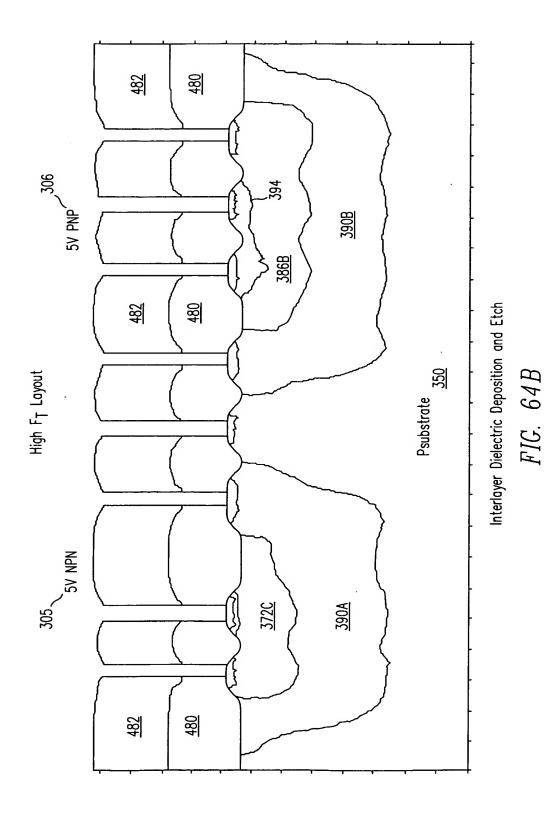


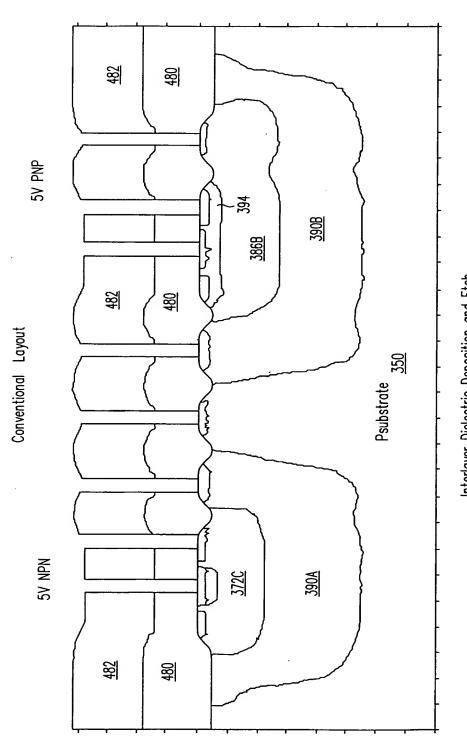




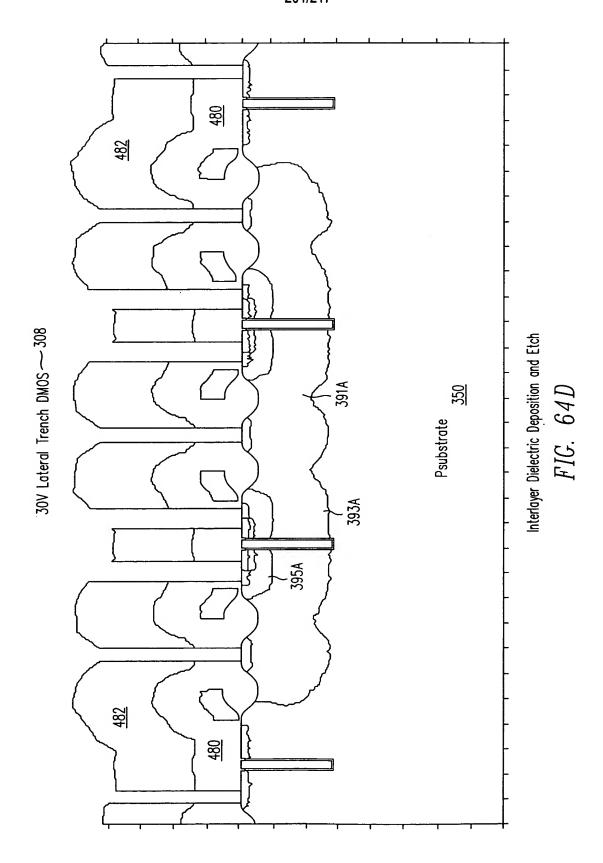


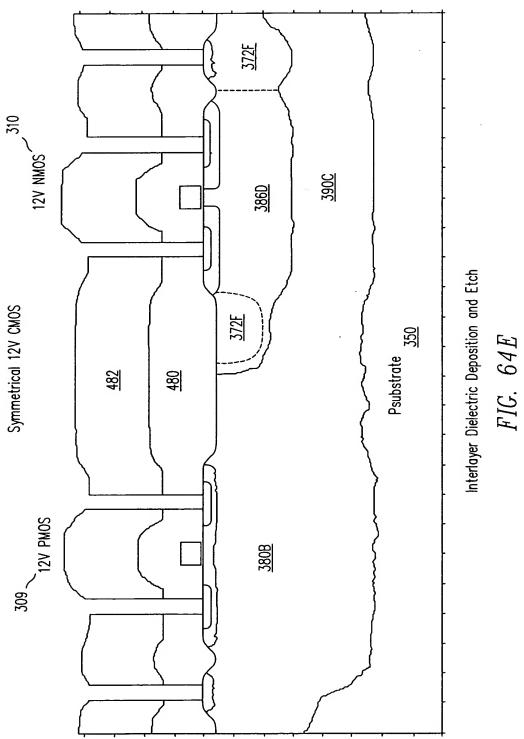


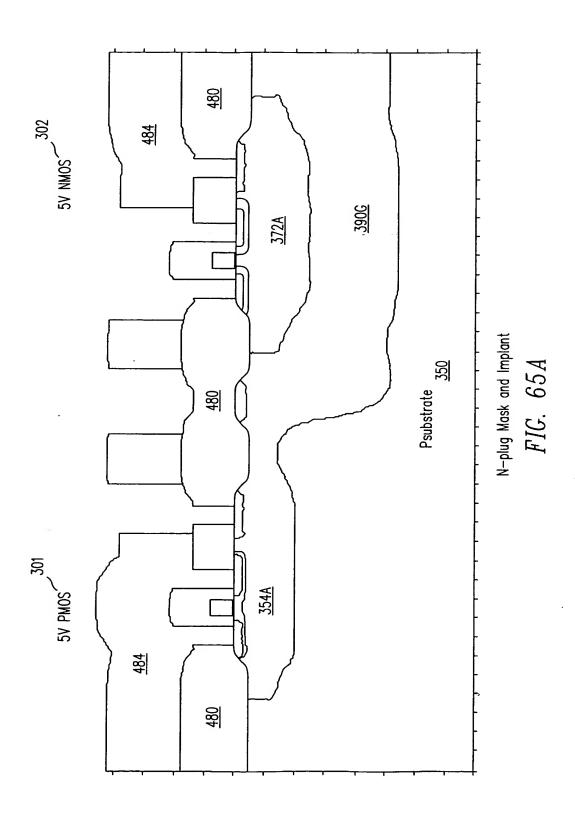


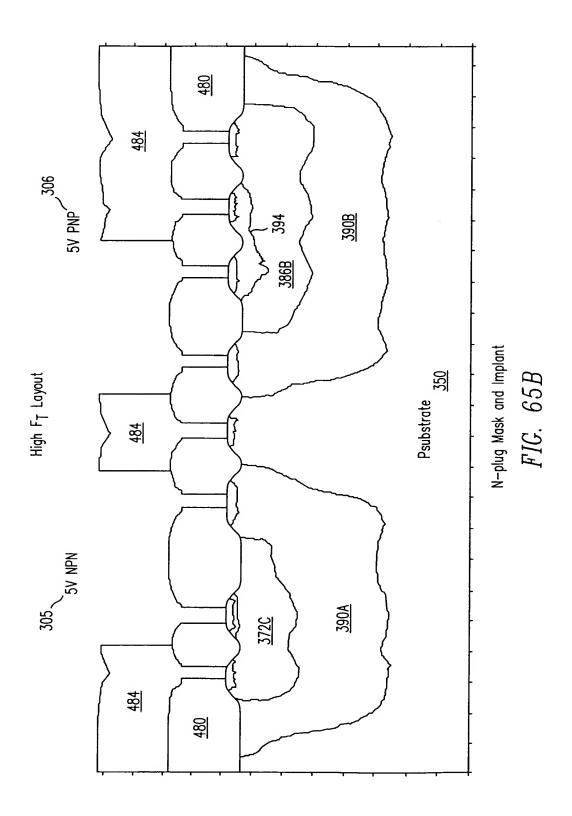


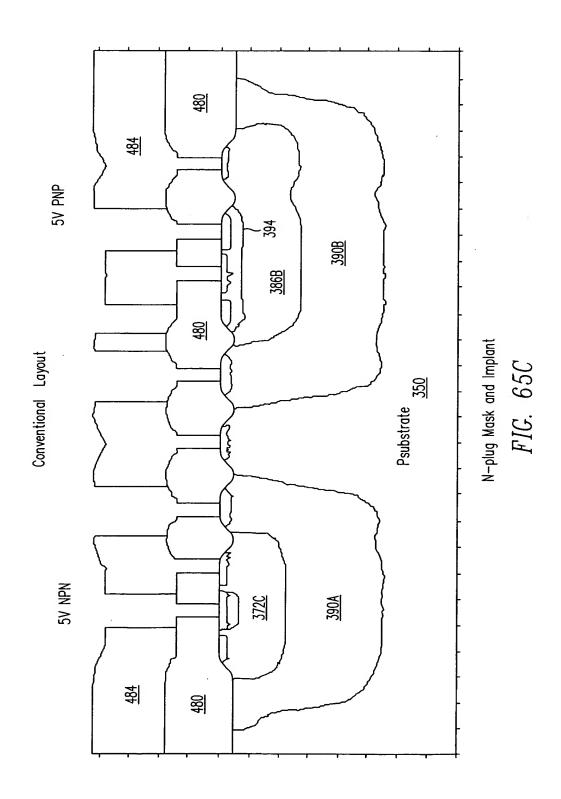
Interlayer Dielectric Deposition and Etch $FIG.\ 64C$

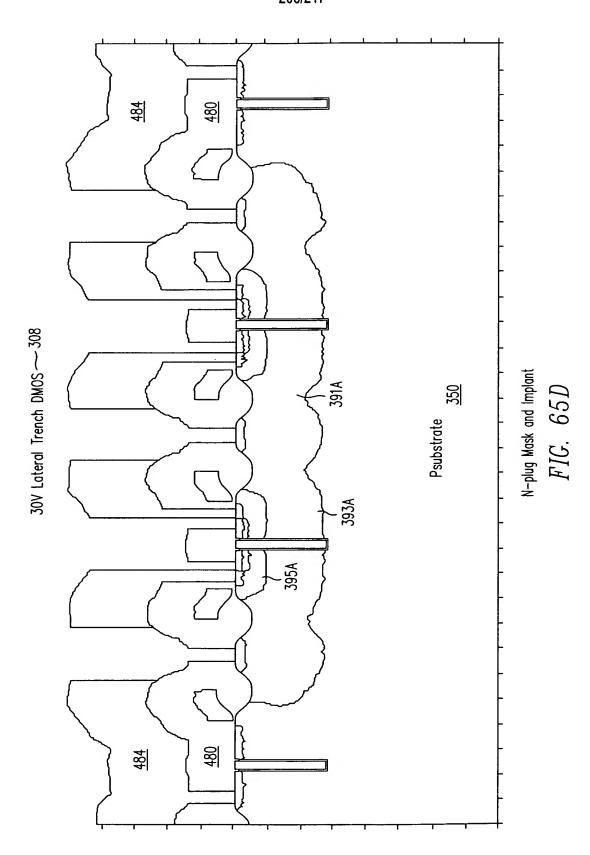


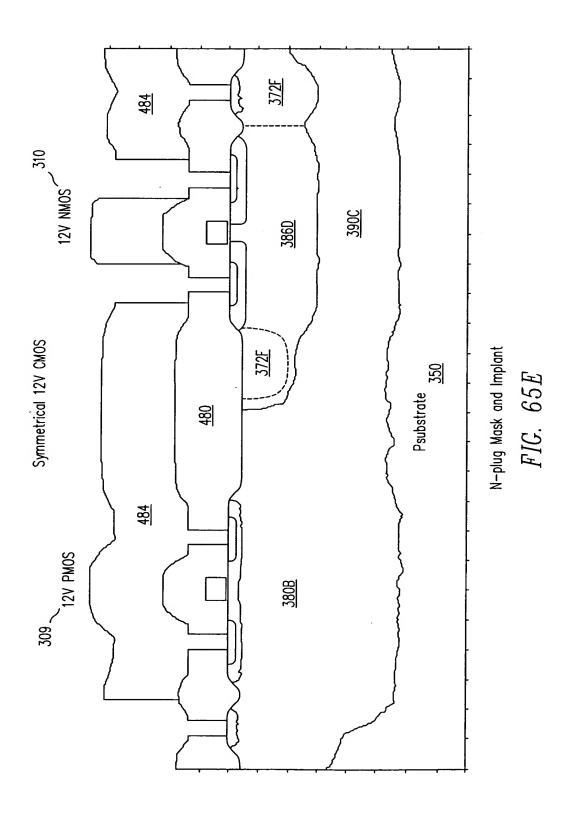


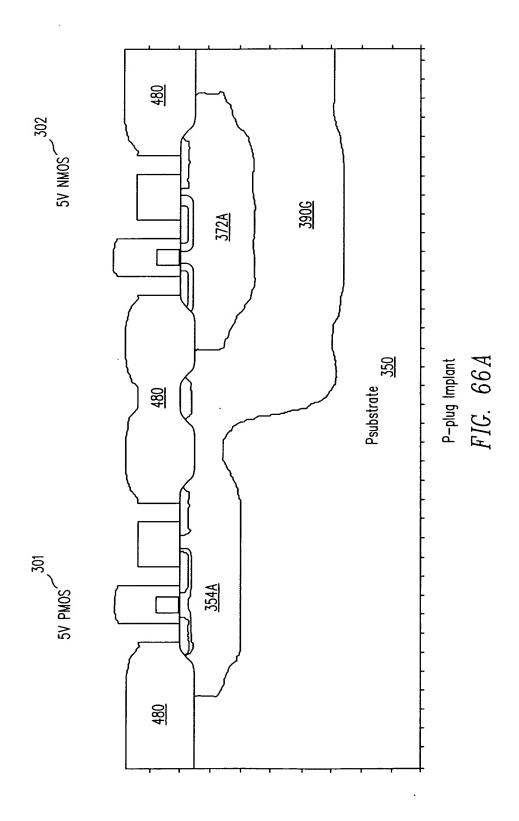


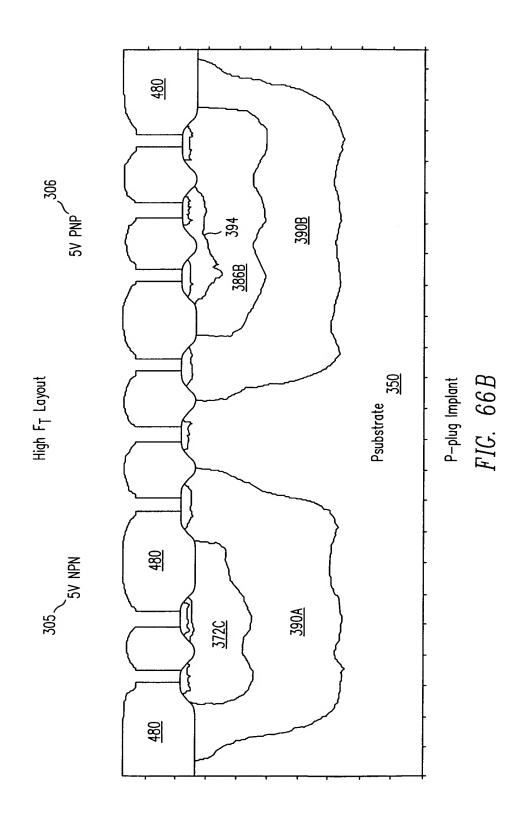


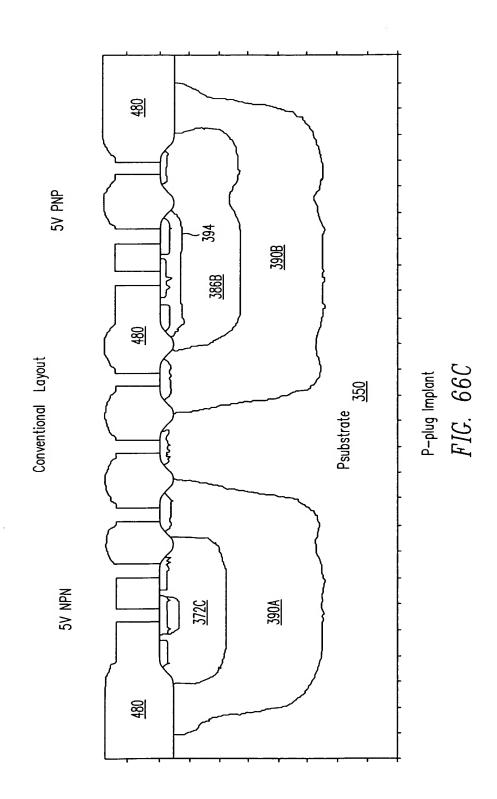


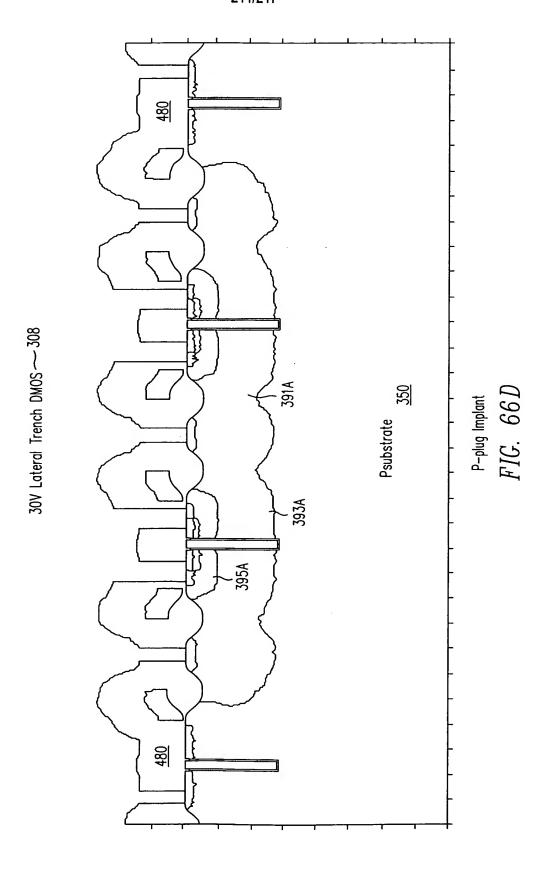


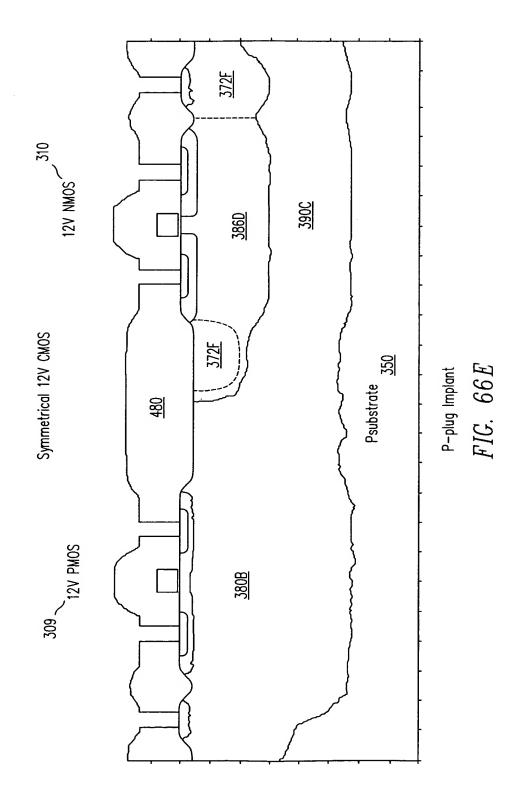


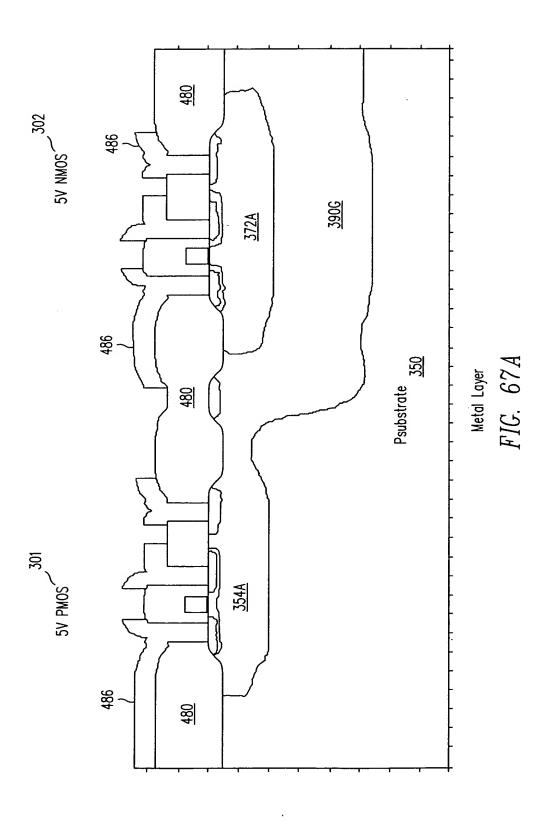


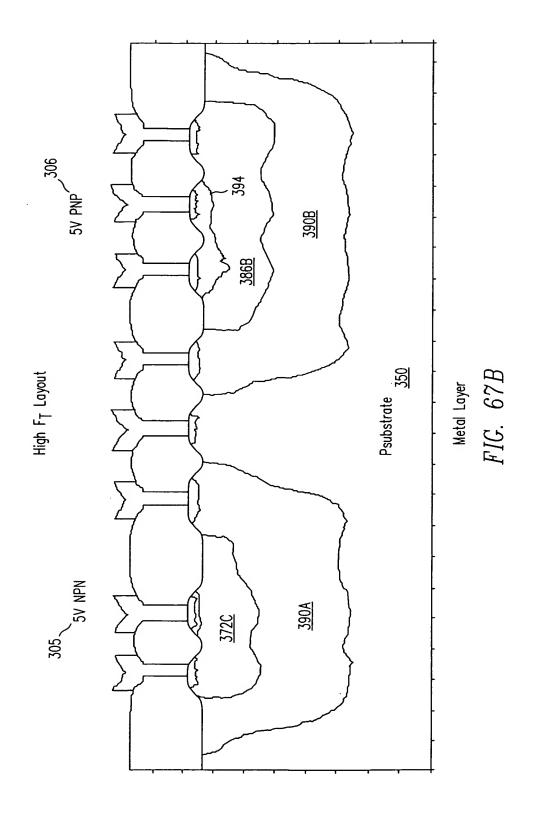


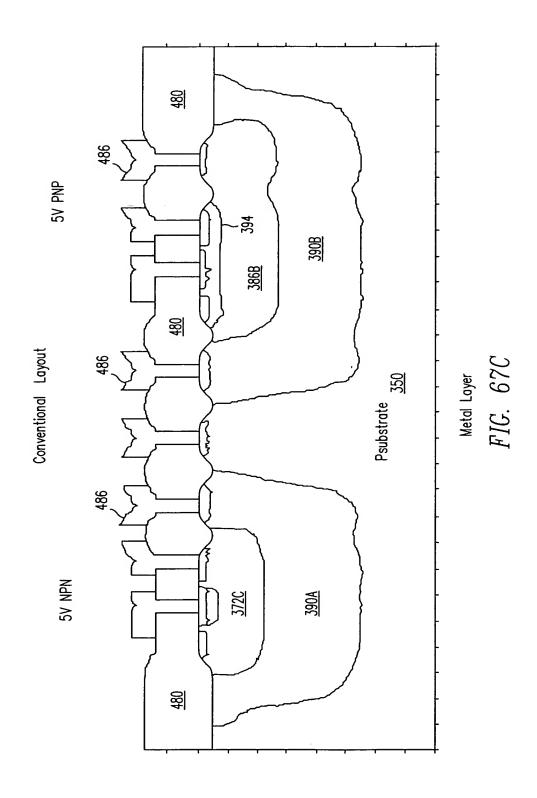


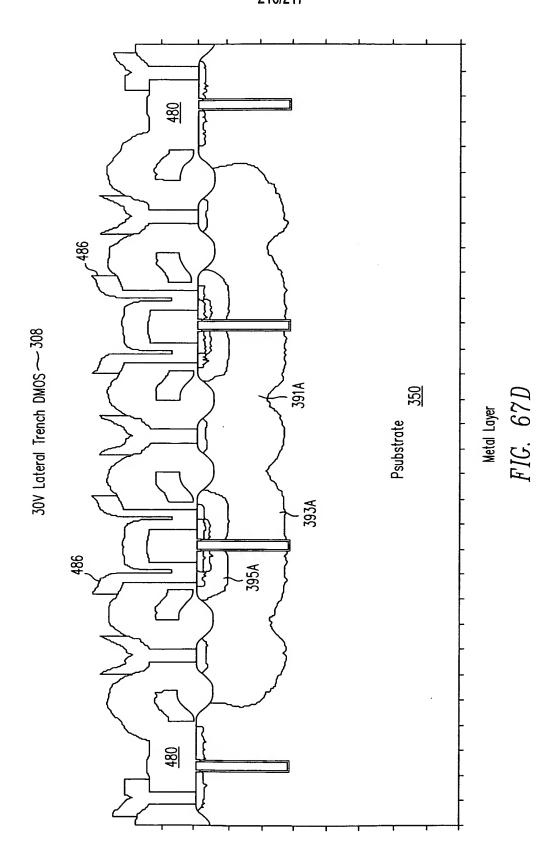


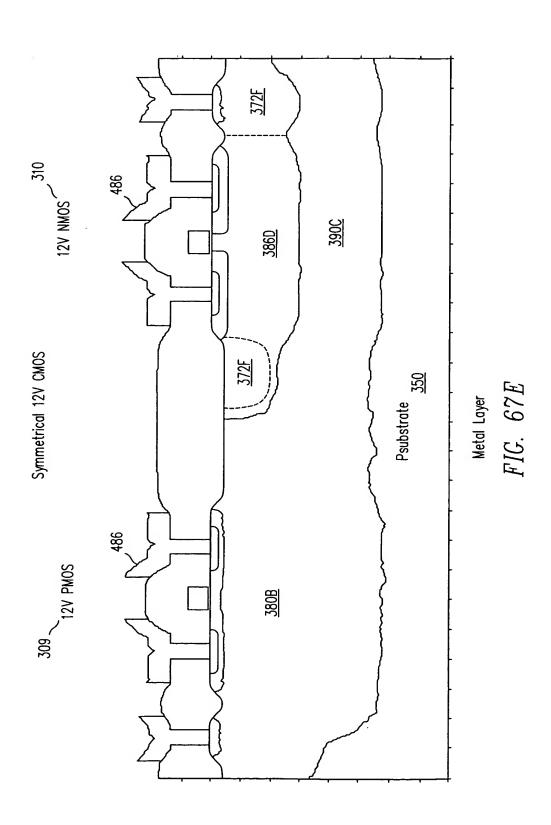












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